

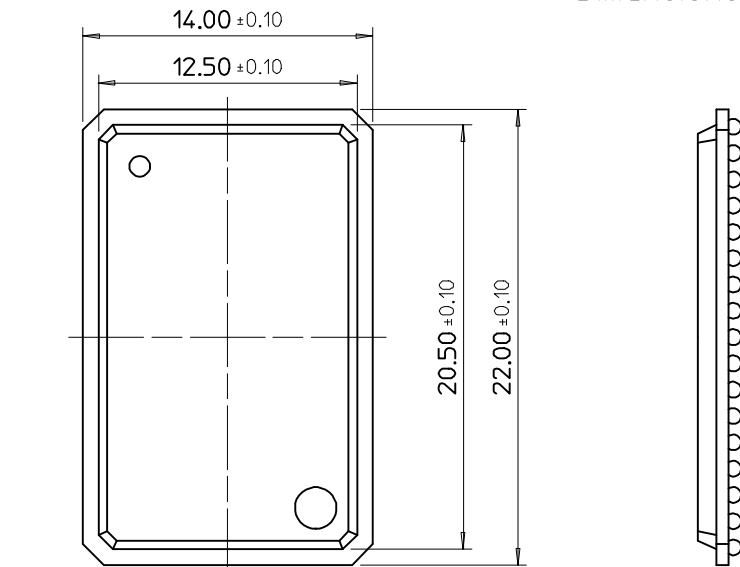
SMT Package Dimension List

Rev 1.3

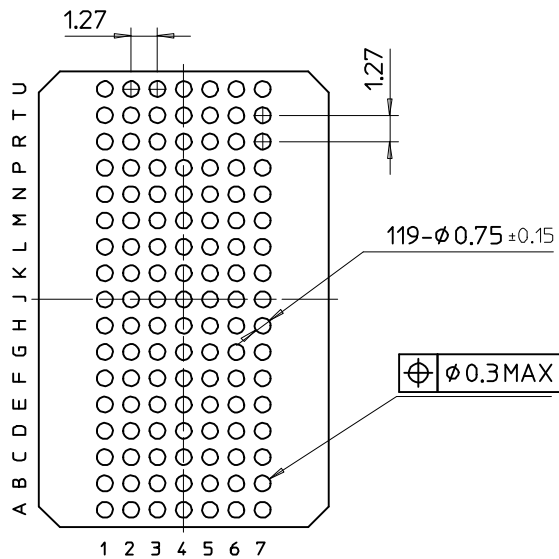
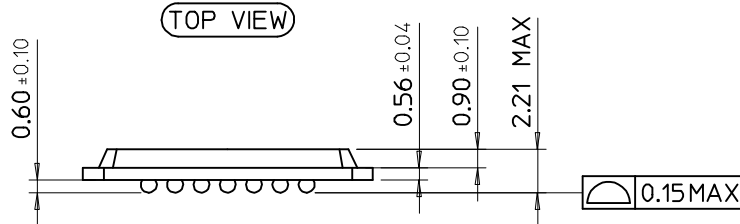
Item	Package group	Start Page
1	BGA	2-23
2	DIP	25-52
3	DIPH	53-55
4	FGBA	56-89
5	LQFP	90-106
6	PLCC	107-113
7	QFN	114
8	QFP	115-143
9	QFPH	144-148
10	SDIP	149-156
11	SMARTMEDIA	157-158
12	SOJ	159-174
13	SOP	175-200
14	SSOP	201-206
15	TBGA	207-219
16	TQFP	220-228
17	TSOP	229-268
18	uBGA	269-284
19	WBGA	285-290

119-BGA-1422

Dimensions in Millimeters



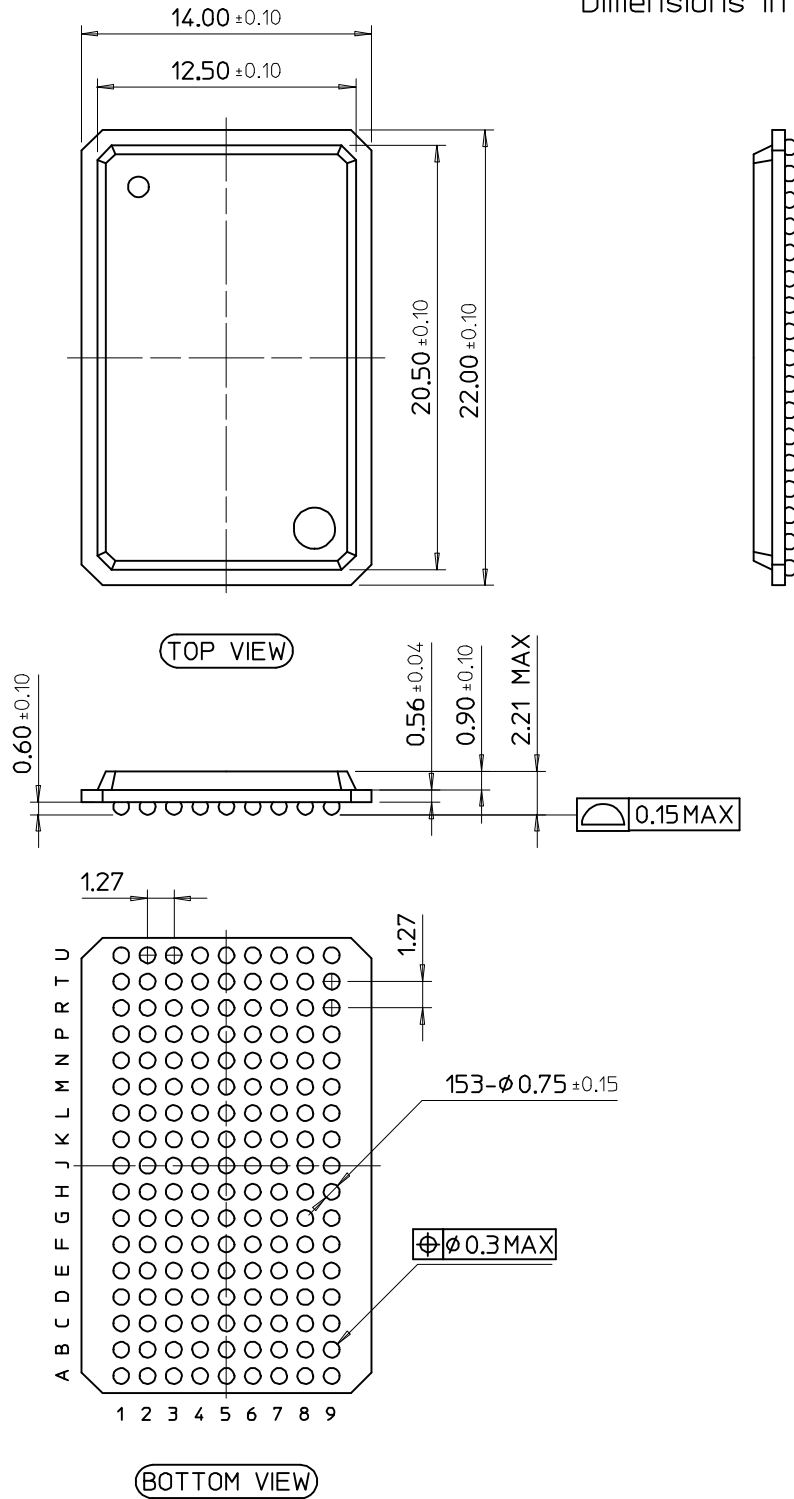
TOP VIEW



BOTTOM VIEW

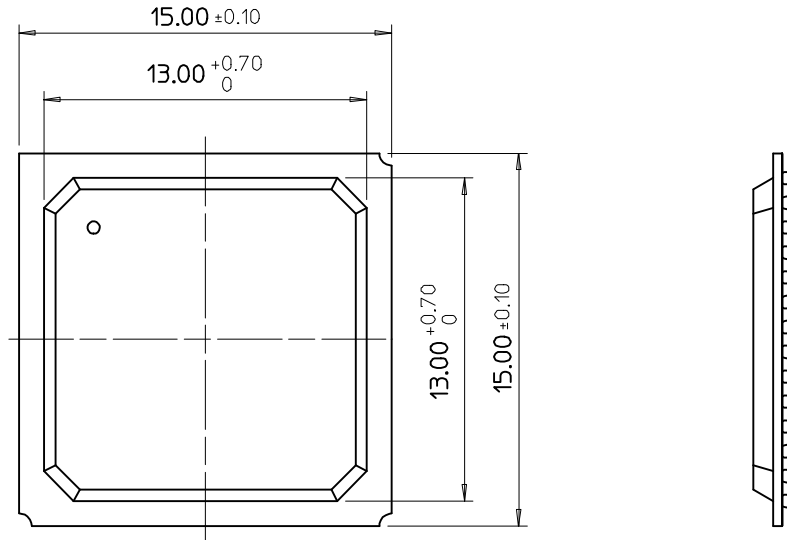
153-BGA-1422

Dimensions in Millimeters

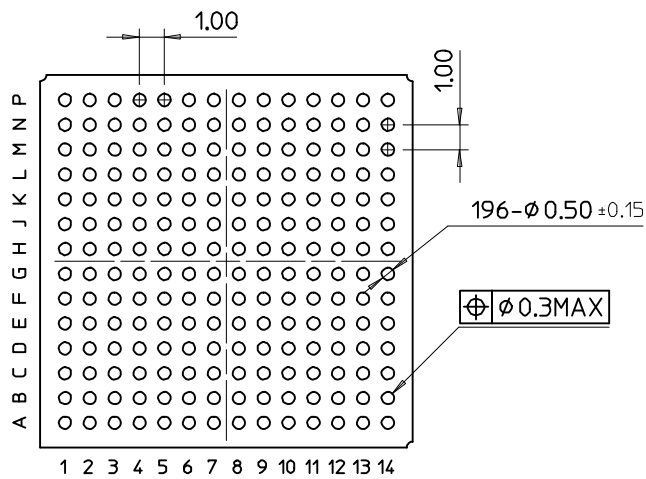
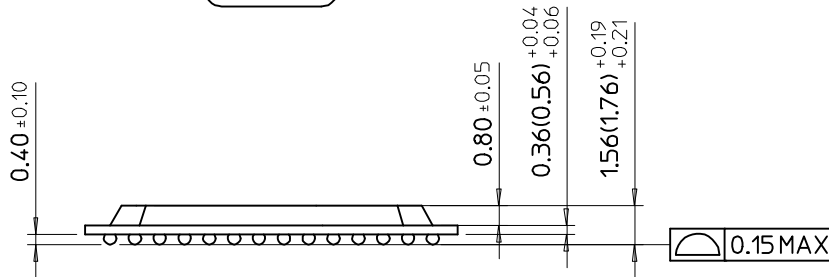


196-BGA-1515-AN

Dimensions in Millimeters



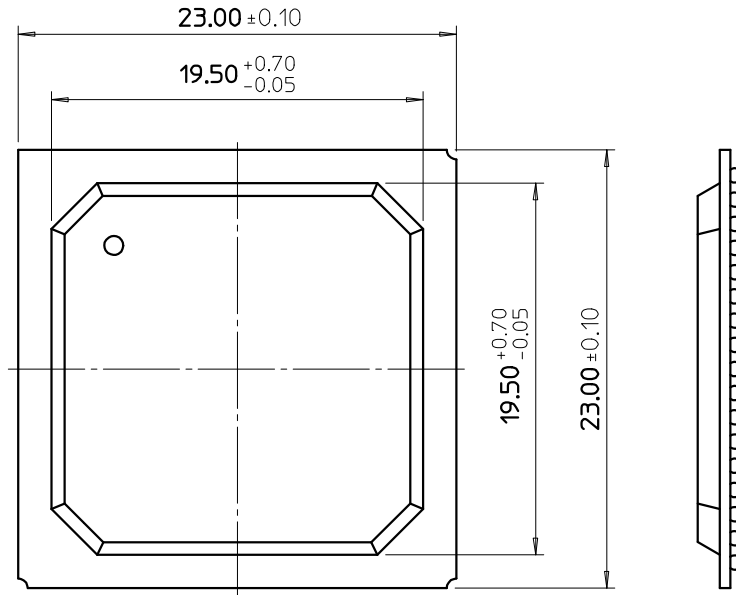
TOP VIEW



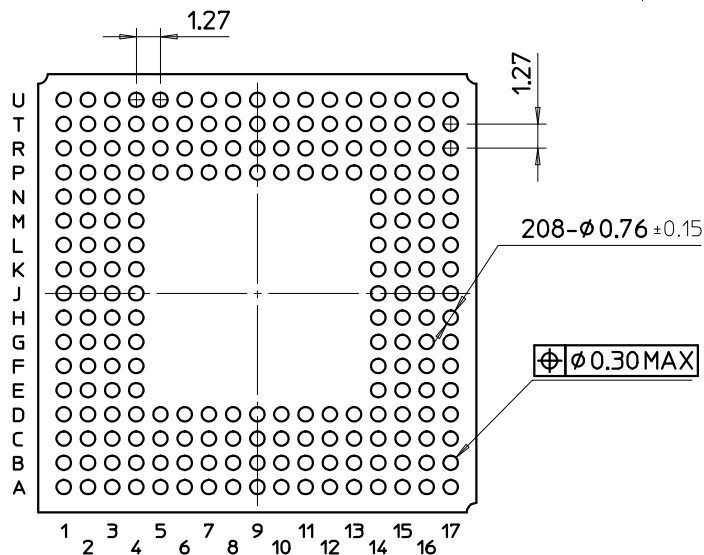
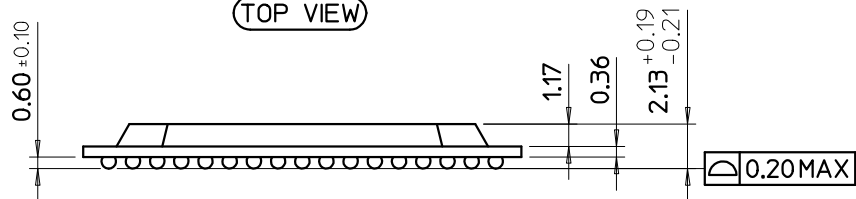
BOTTOM VIEW

208-BGA-2323

Dimensions in Millimeters



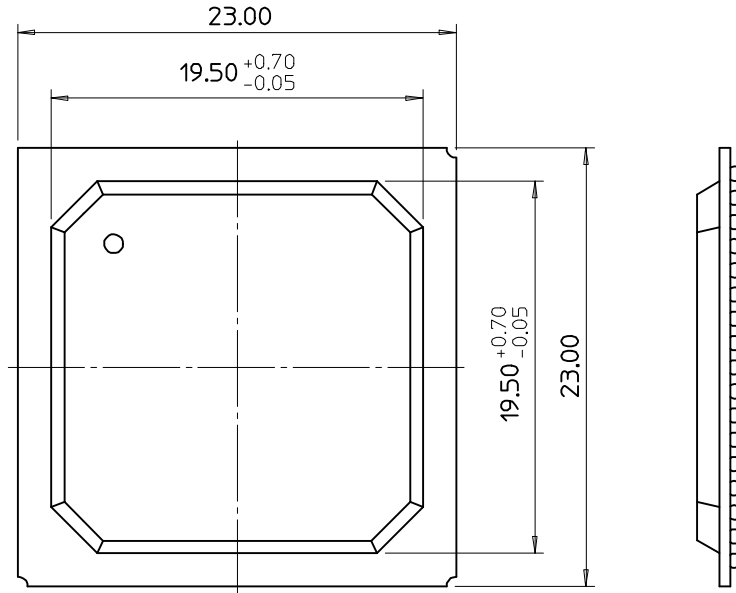
TOP VIEW



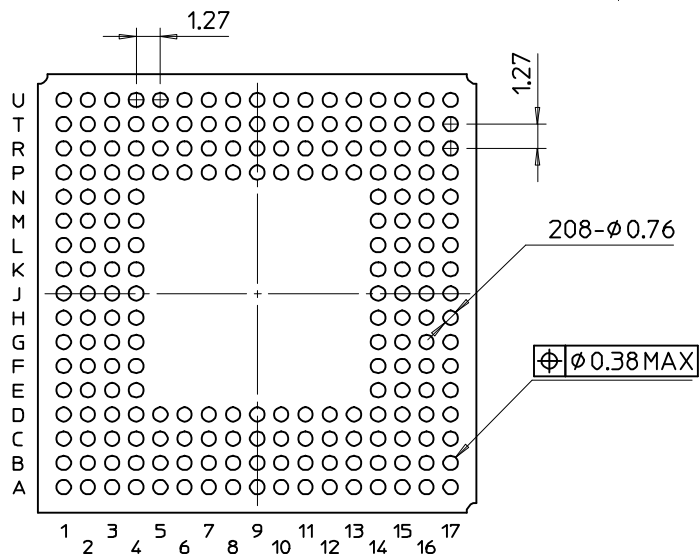
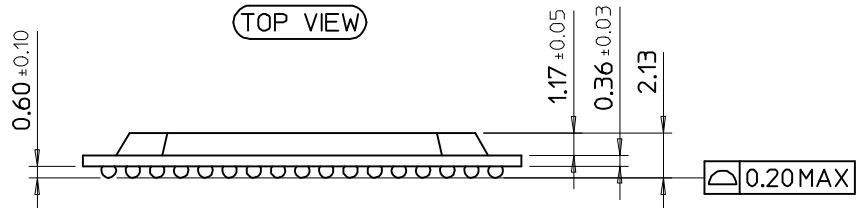
BOTTOM VIEW

208-BGA-2323-AN

Dimensions in Millimeters



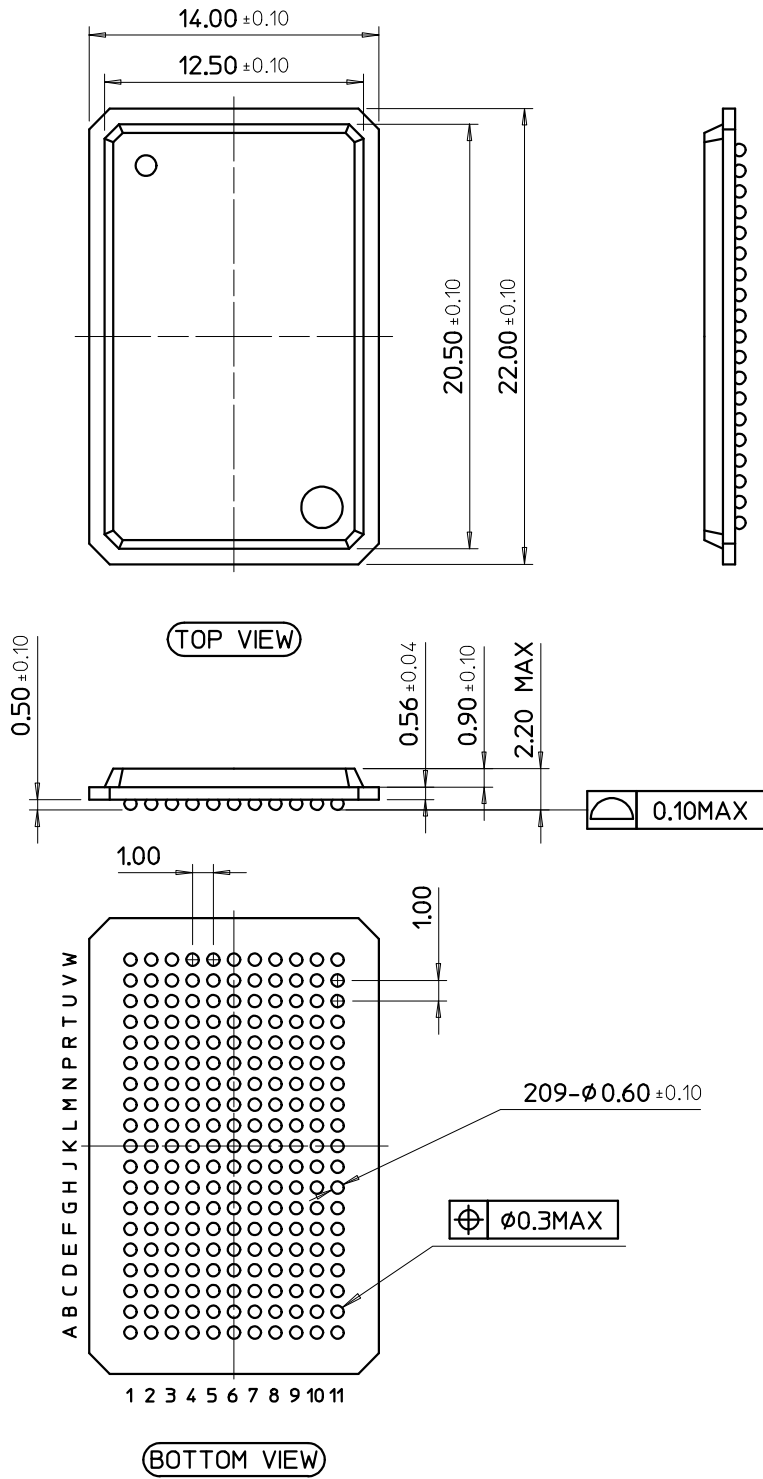
TOP VIEW



BOTTOM VIEW

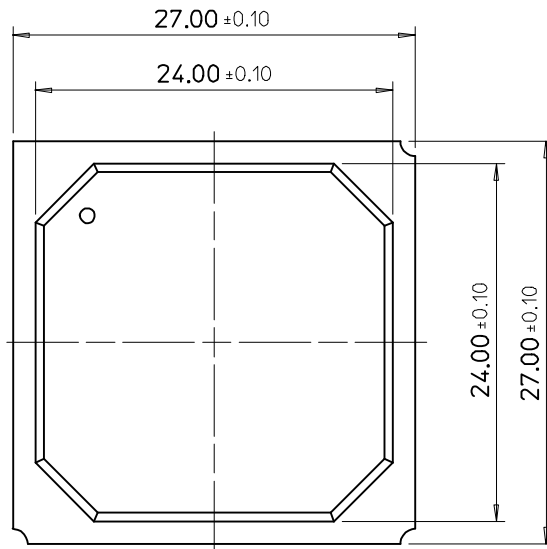
209-BGA-1422

Dimensions in Millimeters

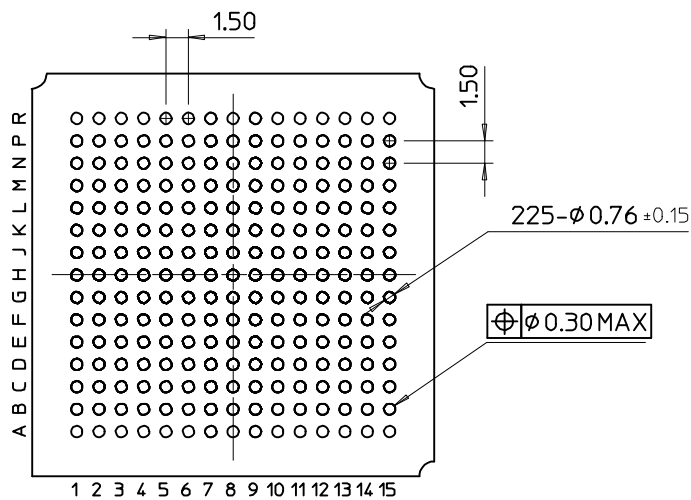
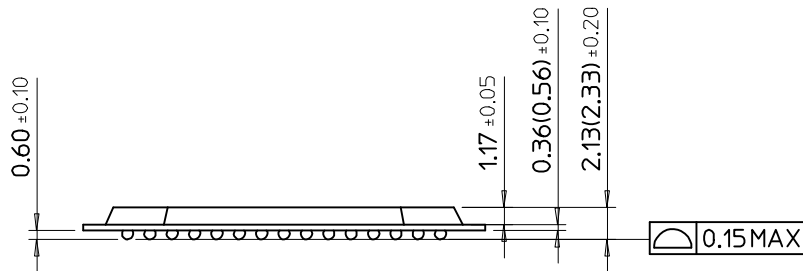


225-BGA-2727-AN

Dimensions in Millimeters



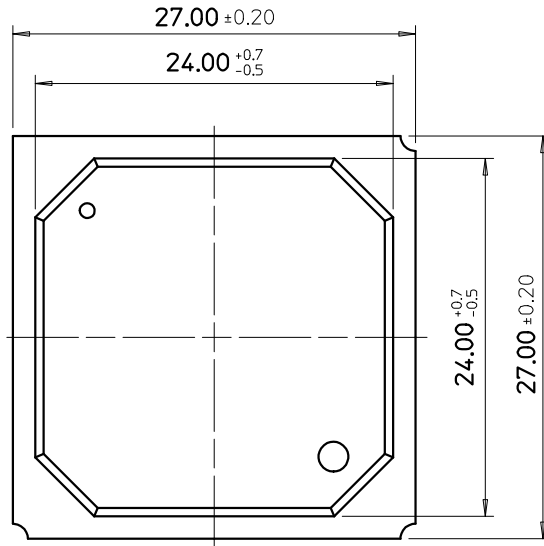
TOP VIEW



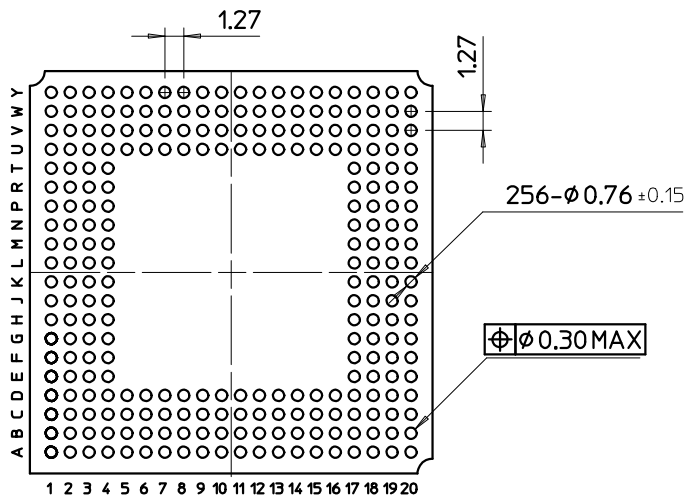
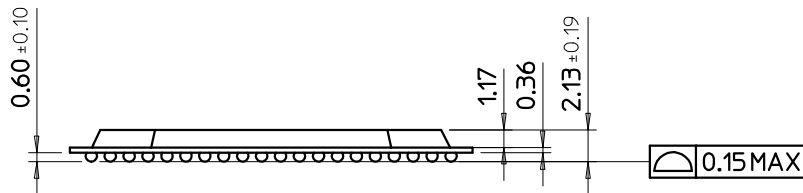
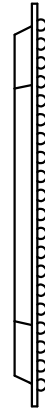
BOTTOM VIEW

256-BGA-2727

Dimensions in Millimeters



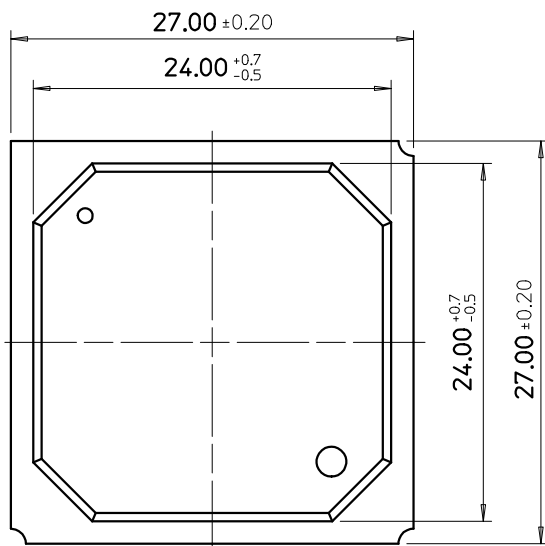
TOP VIEW



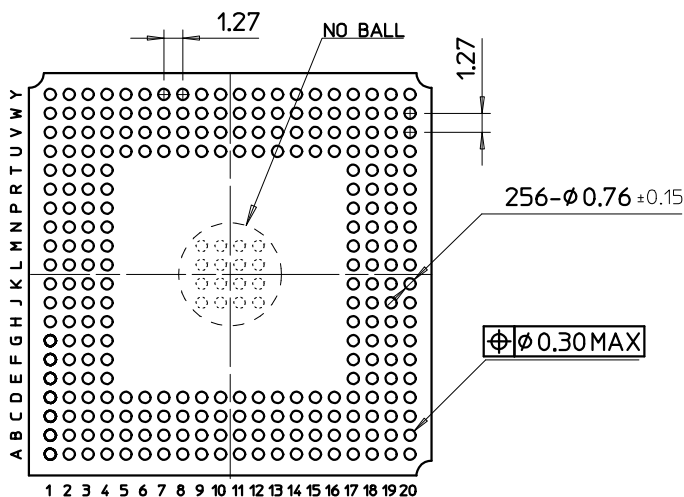
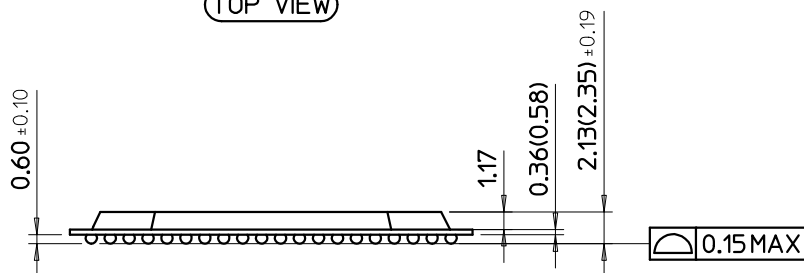
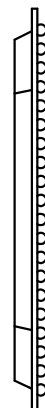
BOTTOM VIEW

256-BGA-2727A

Dimensions in Millimeters



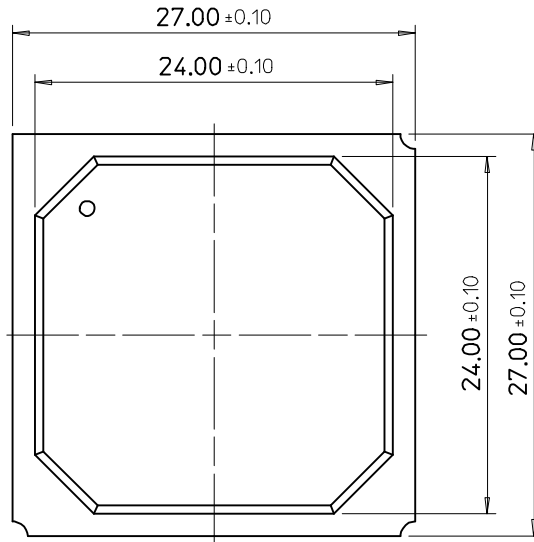
TOP VIEW



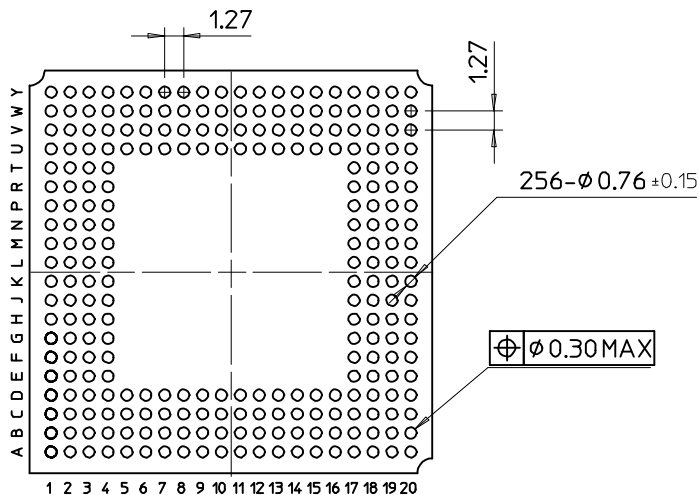
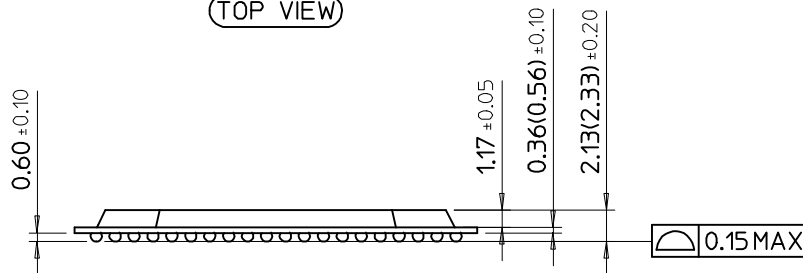
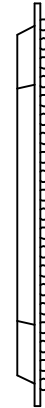
BOTTOM VIEW

256-BGA-2727-AN

Dimensions in Millimeters



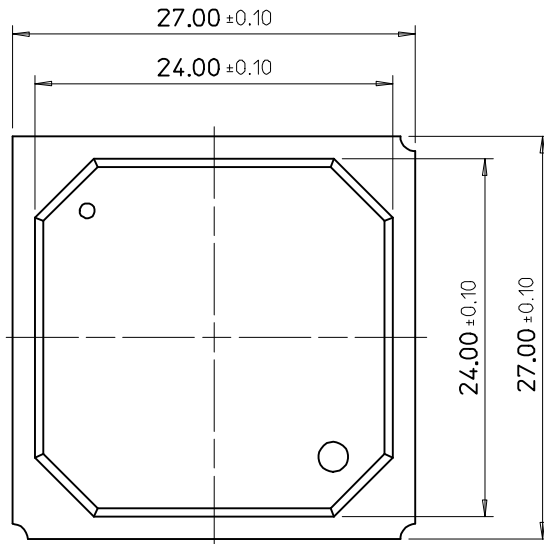
TOP VIEW



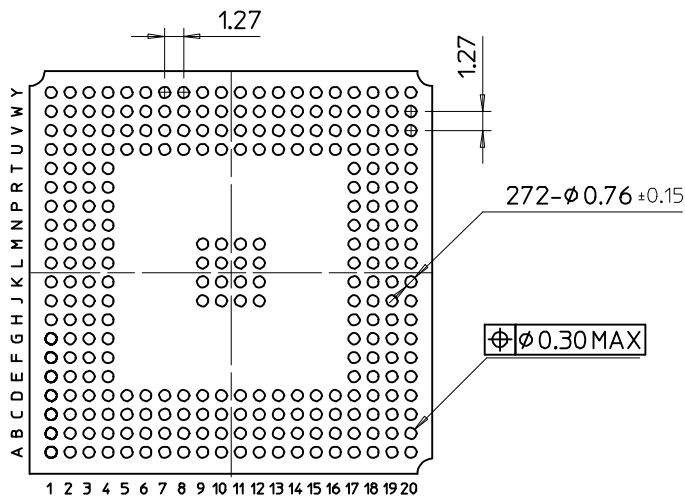
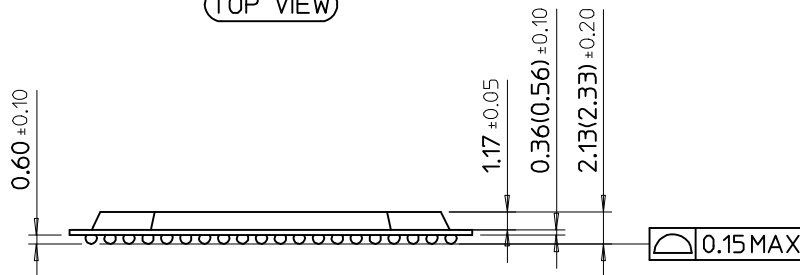
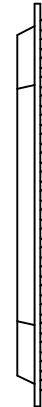
BOTTOM VIEW

272-BGA-2727

Dimensions in Millimeters



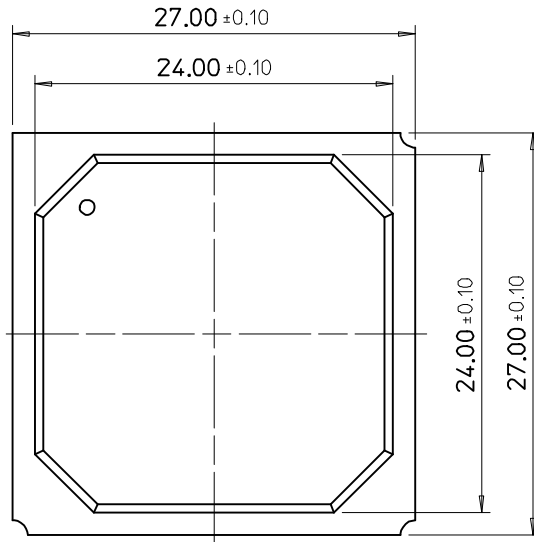
TOP VIEW



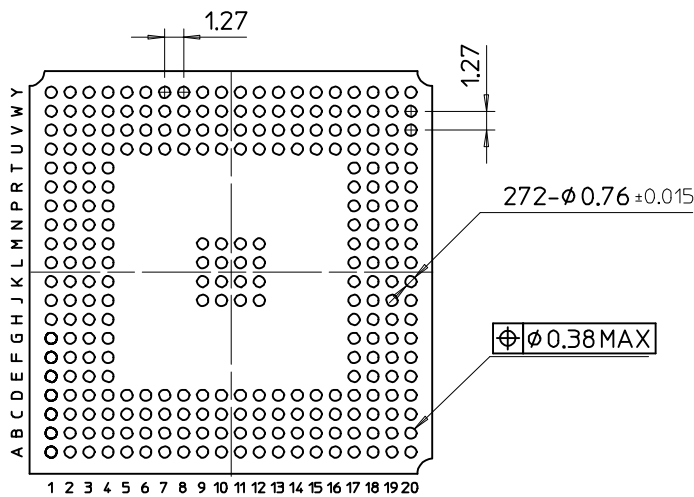
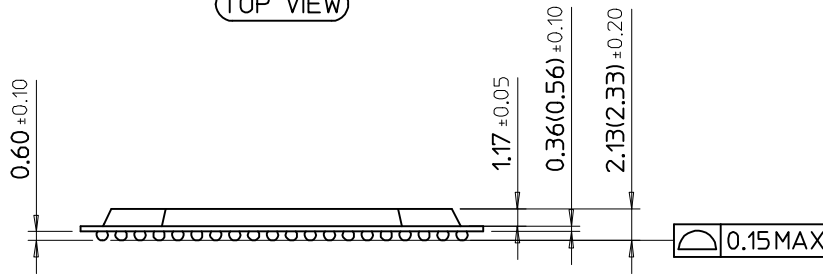
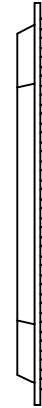
BOTTOM VIEW

272-BGA-2727-AN

Dimensions in Millimeters



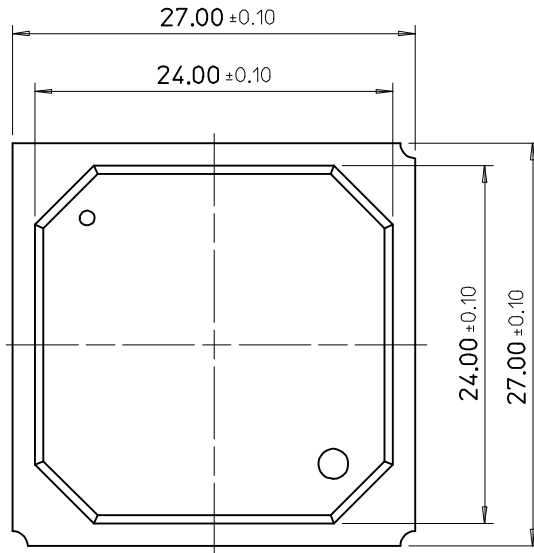
TOP VIEW



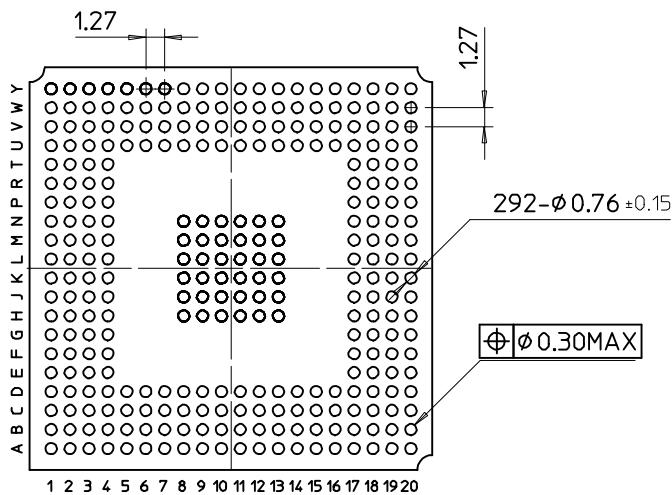
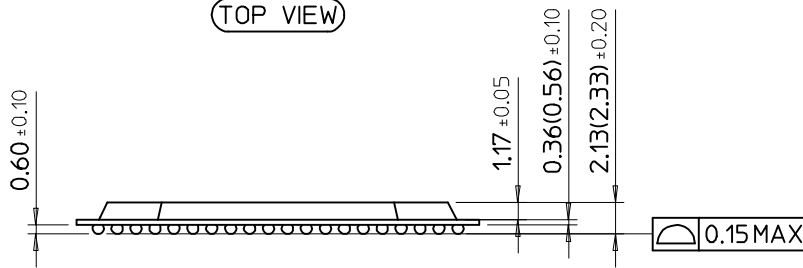
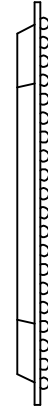
BOTTOM VIEW

292-BGA-2727

Dimensions in Millimeters



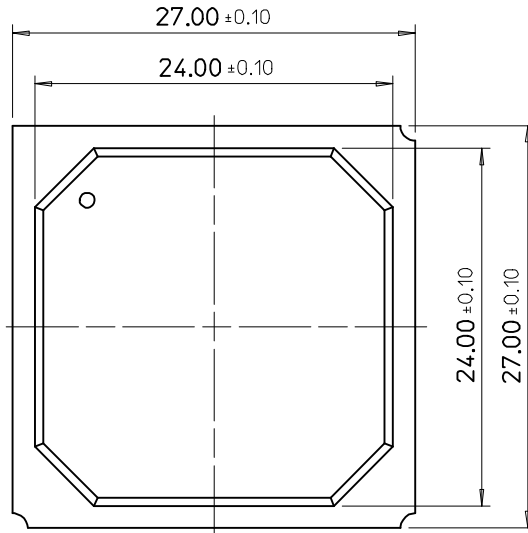
TOP VIEW



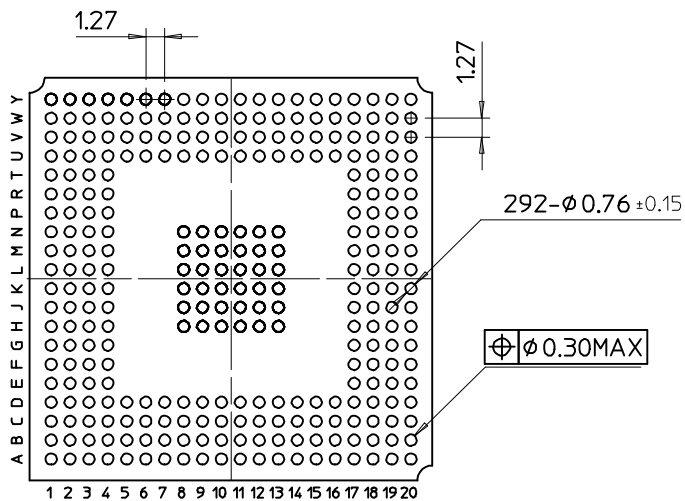
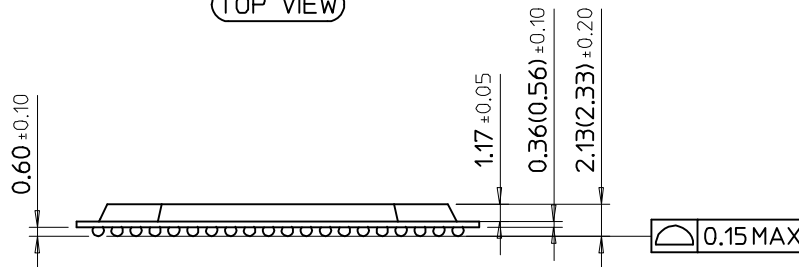
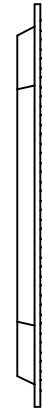
BOTTOM VIEW

292-BGA-2727-AN

Dimensions in Millimeters



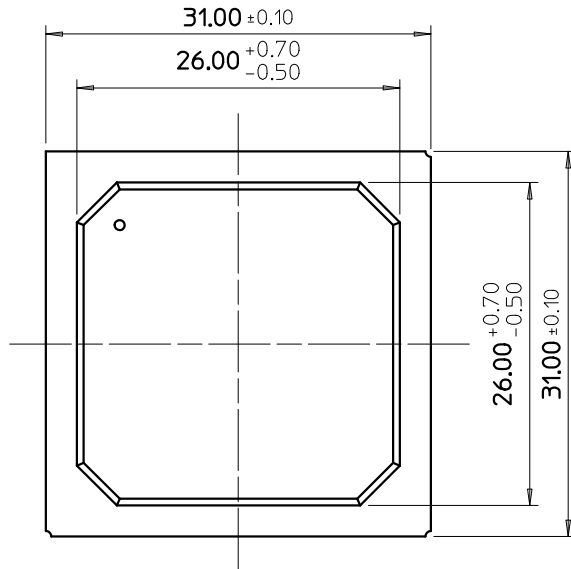
TOP VIEW



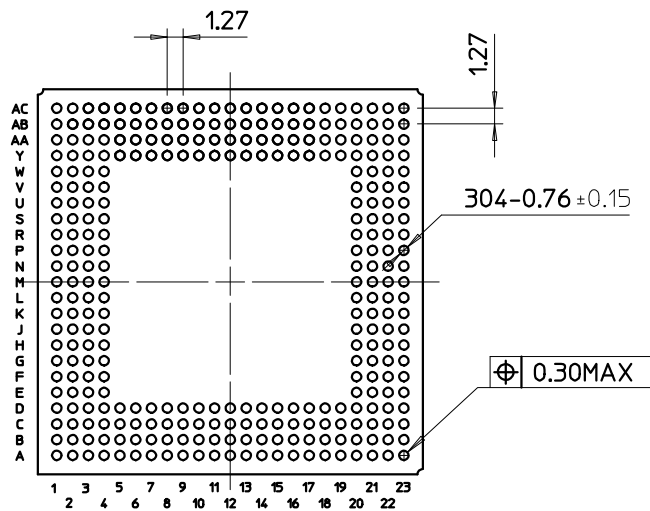
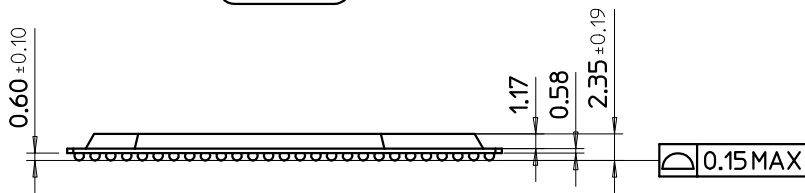
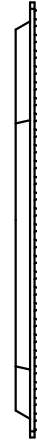
BOTTOM VIEW

304-BGA-3131

Dimensions in Millimeters



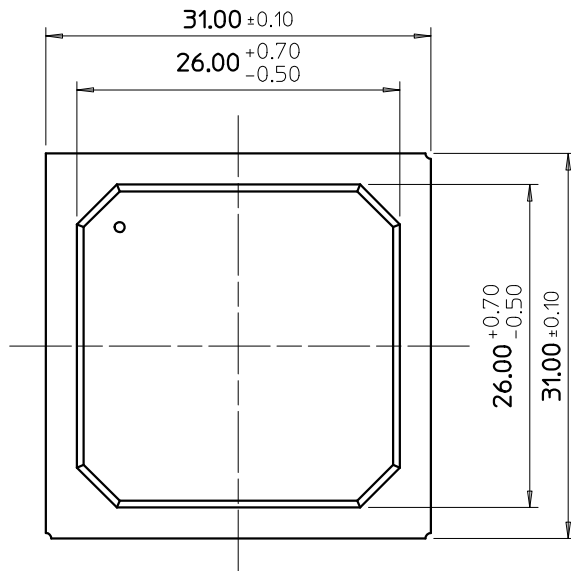
TOP VIEW



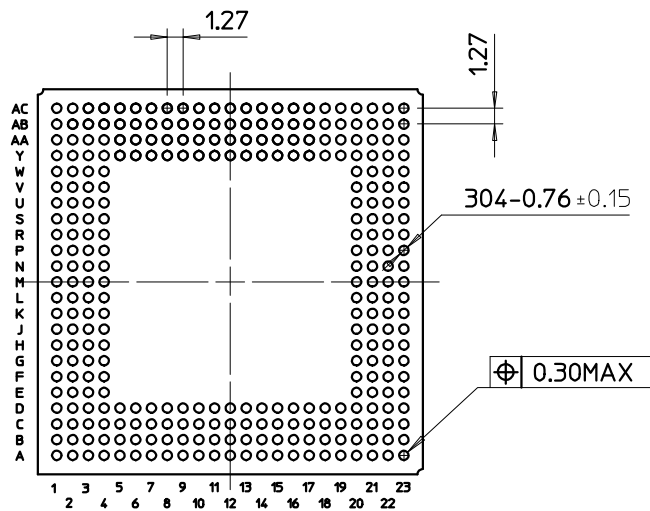
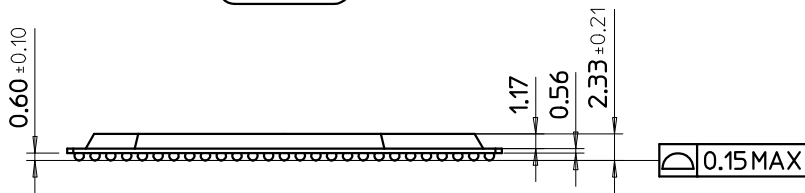
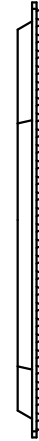
BOTTOM VIEW

304-BGA-3131-AN

Dimensions in Millimeters



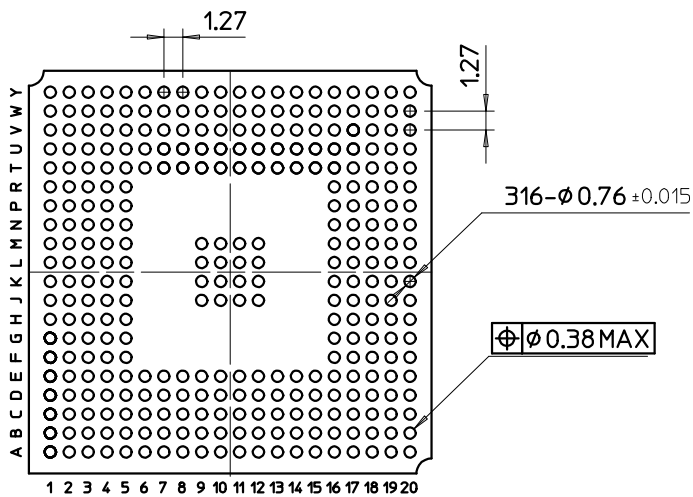
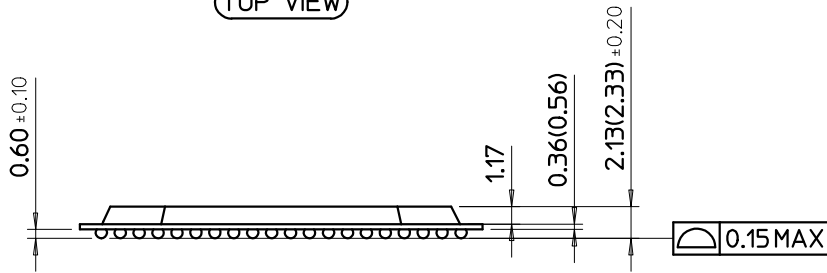
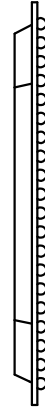
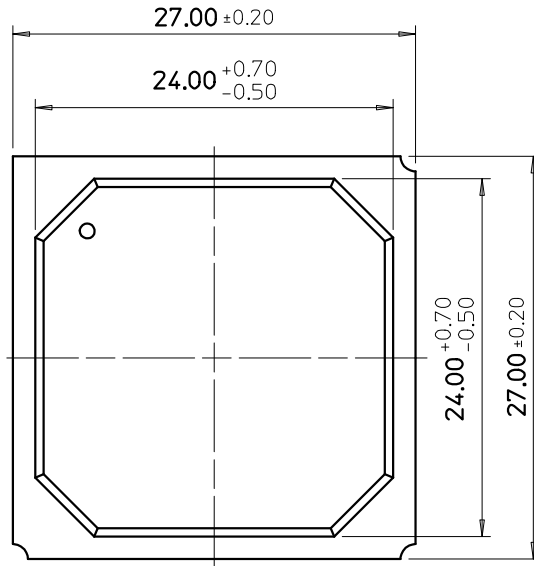
TOP VIEW



BOTTOM VIEW

316-BGA-2727-AN

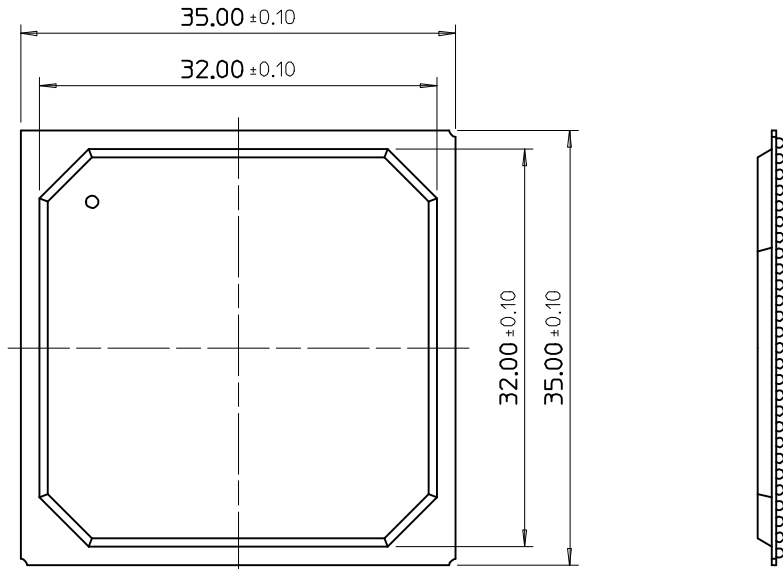
Dimensions in Millimeters



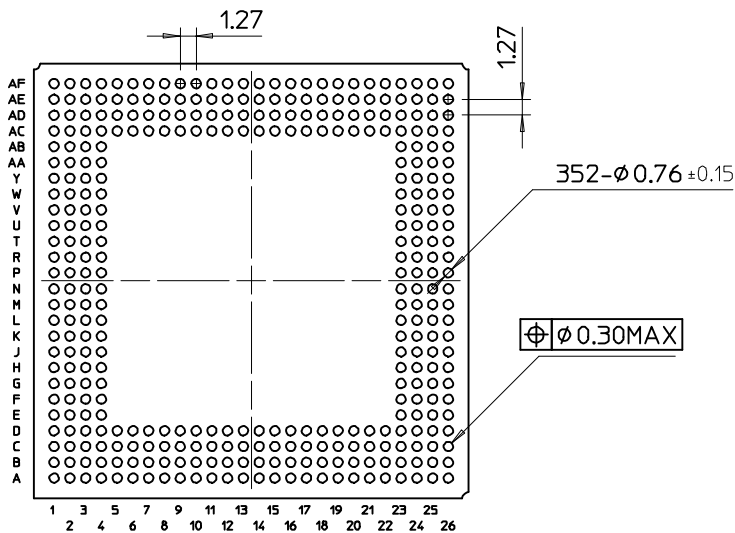
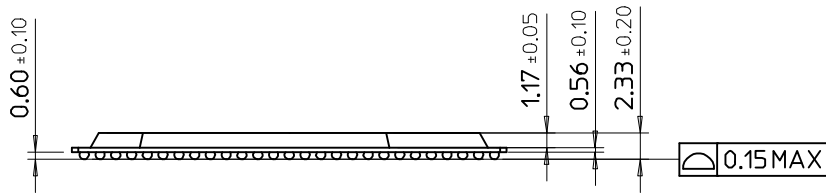
(BOTTOM VIEW)

352-BGA-3535-AN

Dimensions in Millimeters



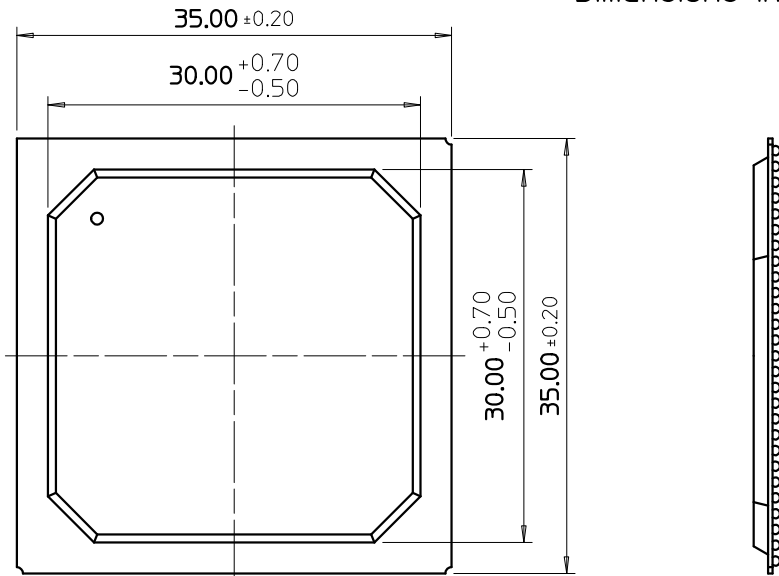
TOP VIEW



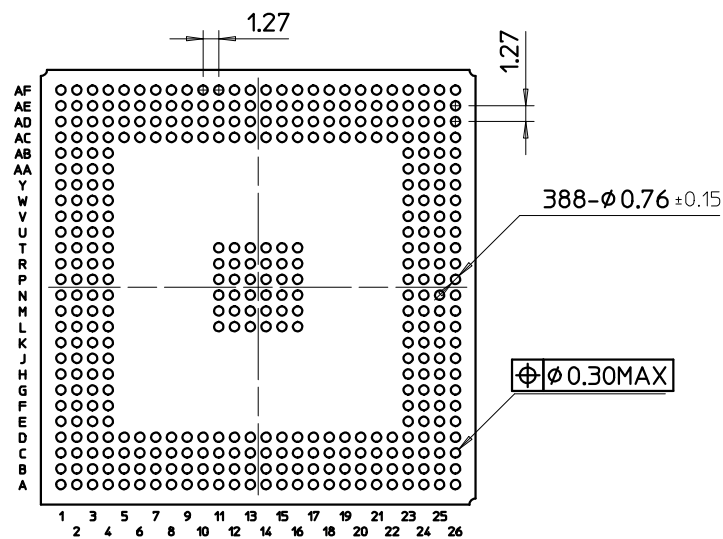
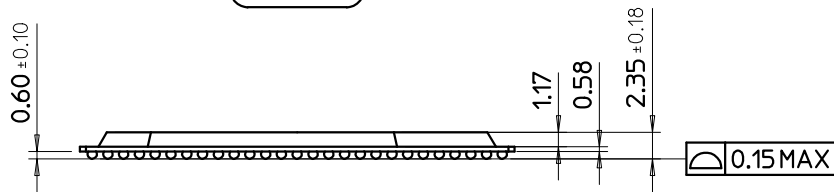
BOTTOM VIEW

388-BGA-3535

Dimensions in Millimeters



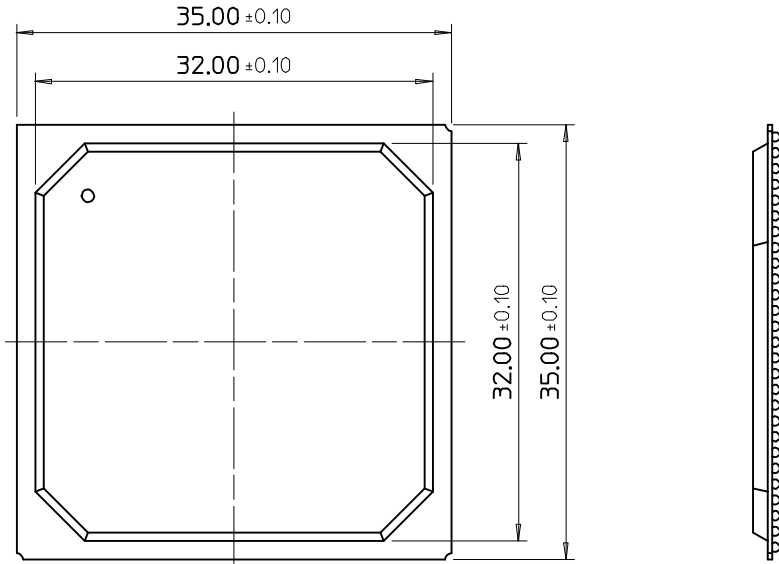
TOP VIEW



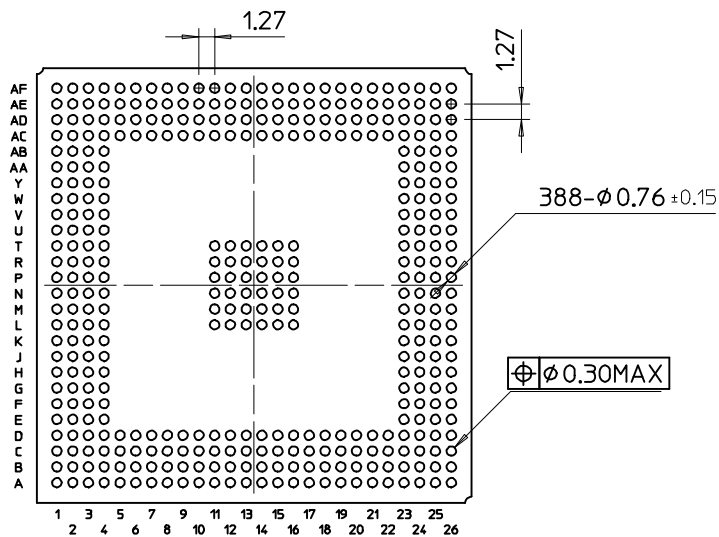
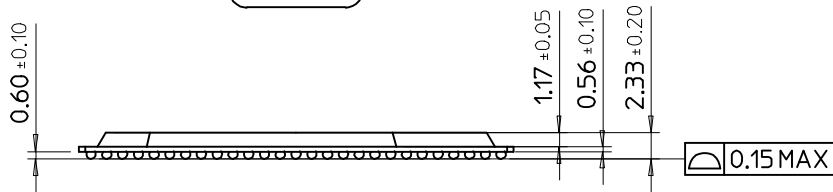
BOTTOM VIEW

388-BGA-3535-AN

Dimensions in Millimeters



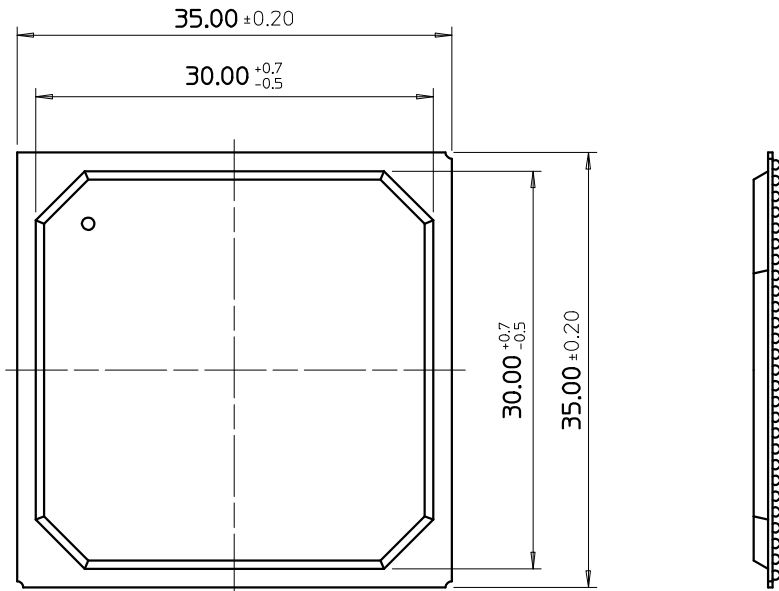
TOP VIEW



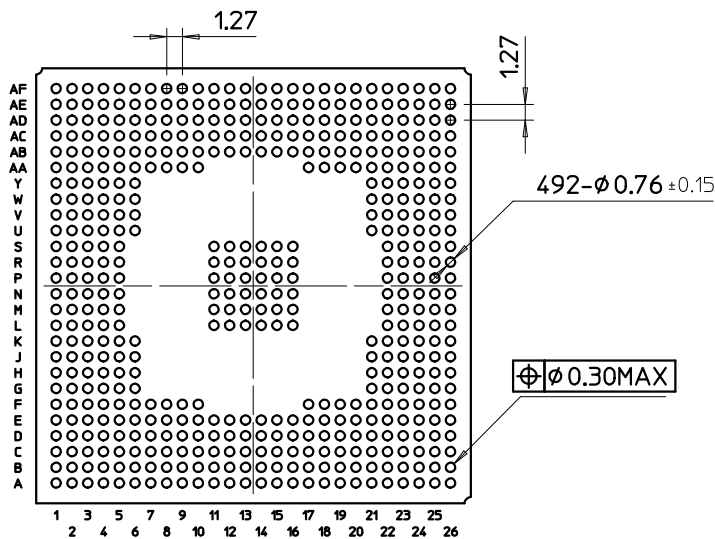
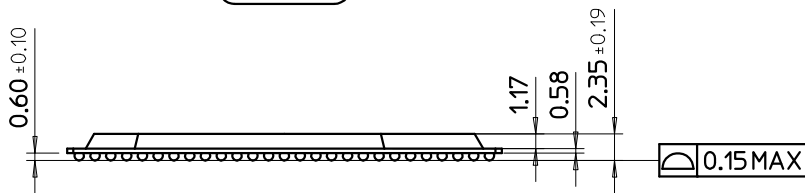
BOTTOM VIEW

492-BGA-3535

Dimensions in Millimeters



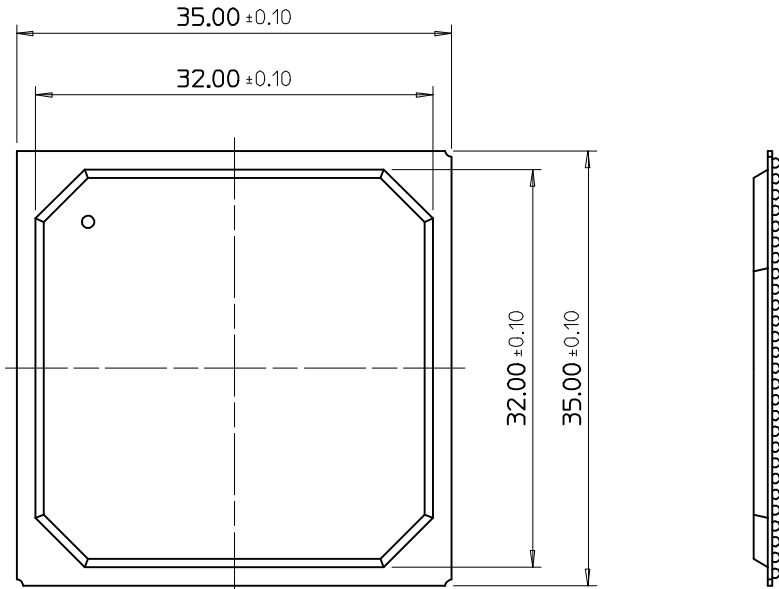
TOP VIEW



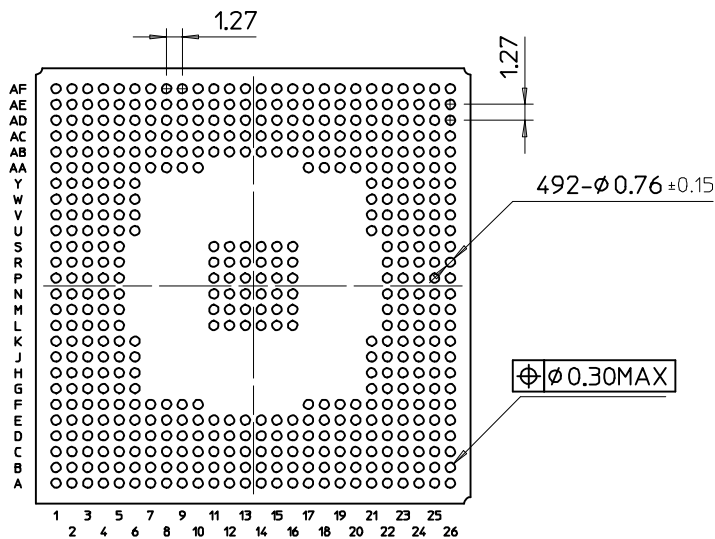
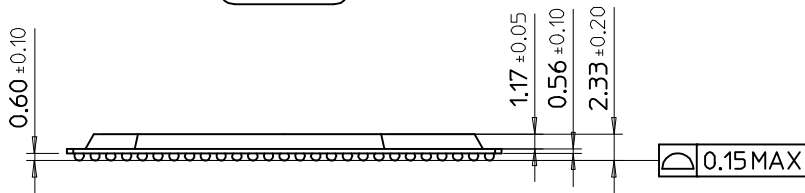
BOTTOM VIEW

492-BGA-3535-AN

Dimensions in Millimeters



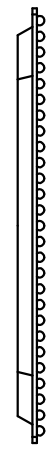
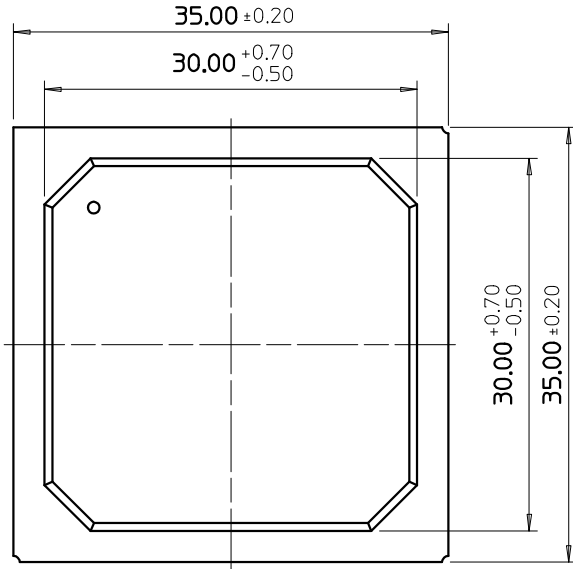
TOP VIEW



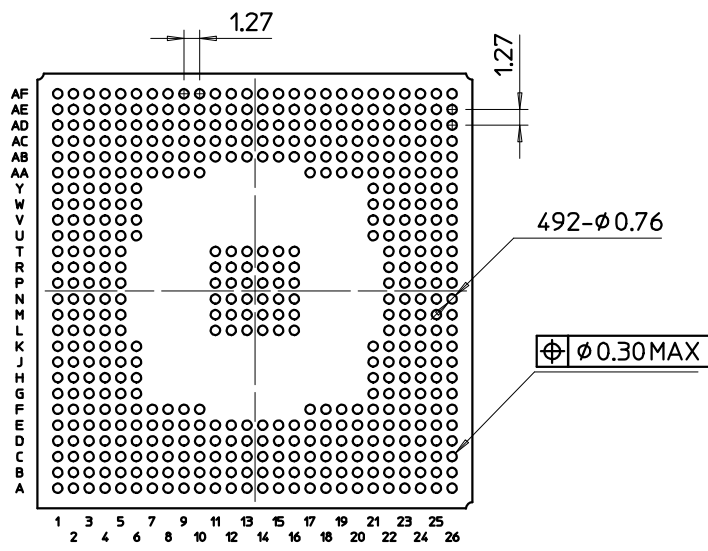
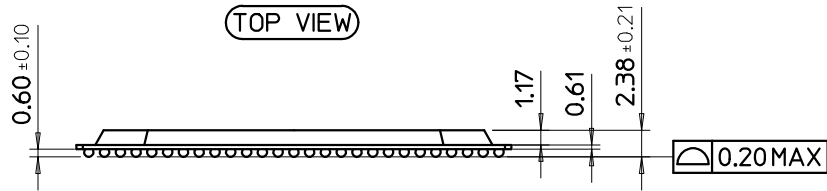
BOTTOM VIEW

492-TEBGA-3535-AN

Dimensions in Millimeters



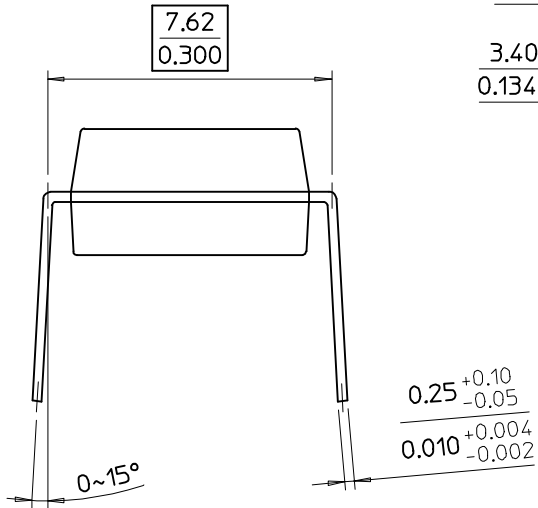
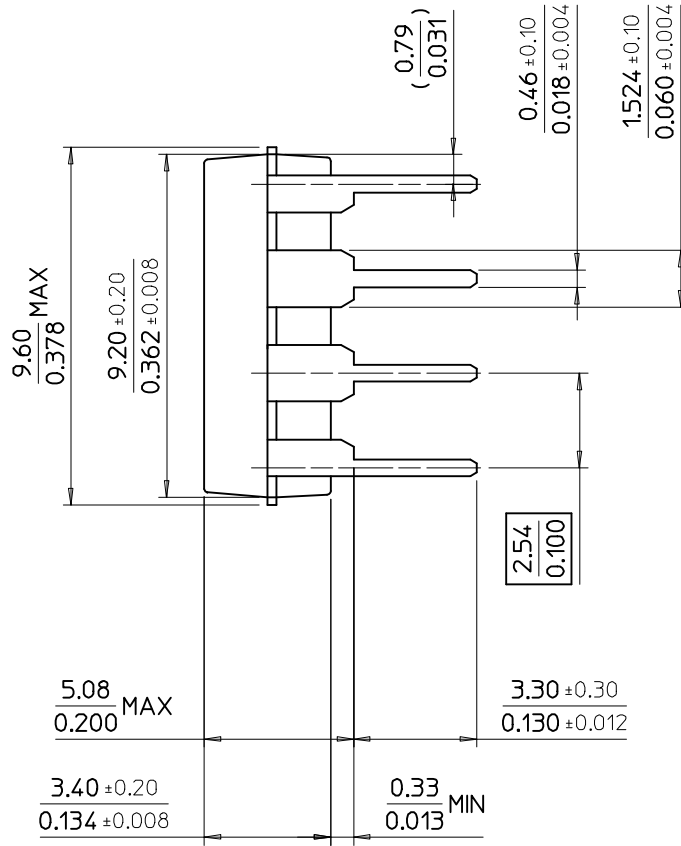
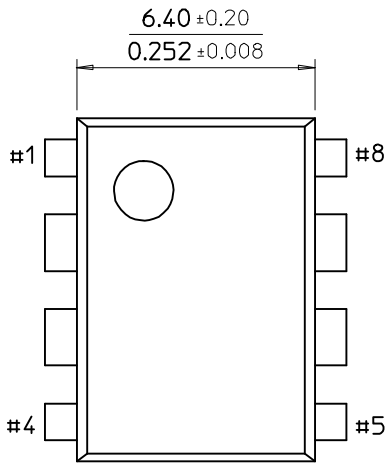
(TOP VIEW)



(BOTTOM VIEW)

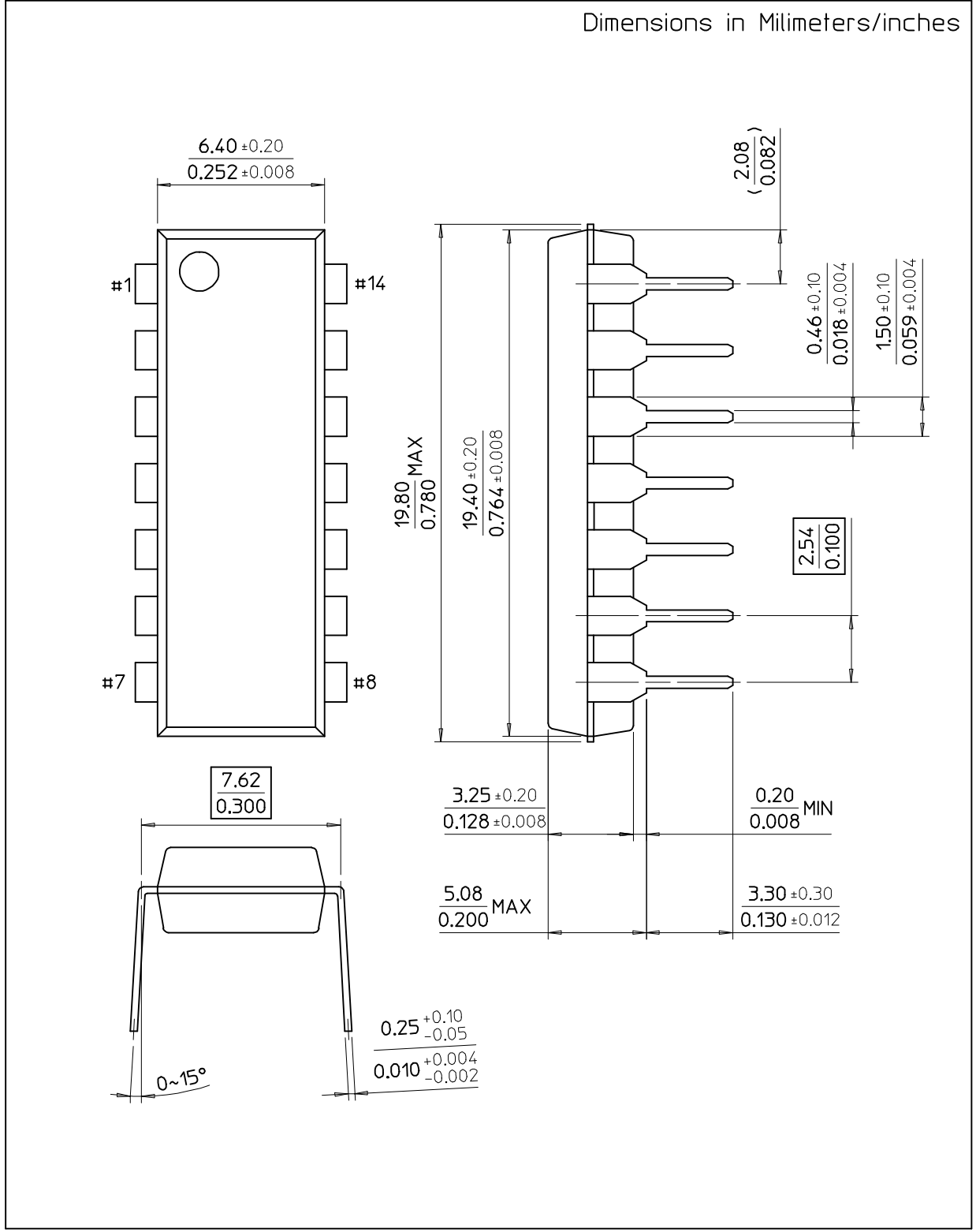
8-DIP-300

Dimensions in Millimeters/inches



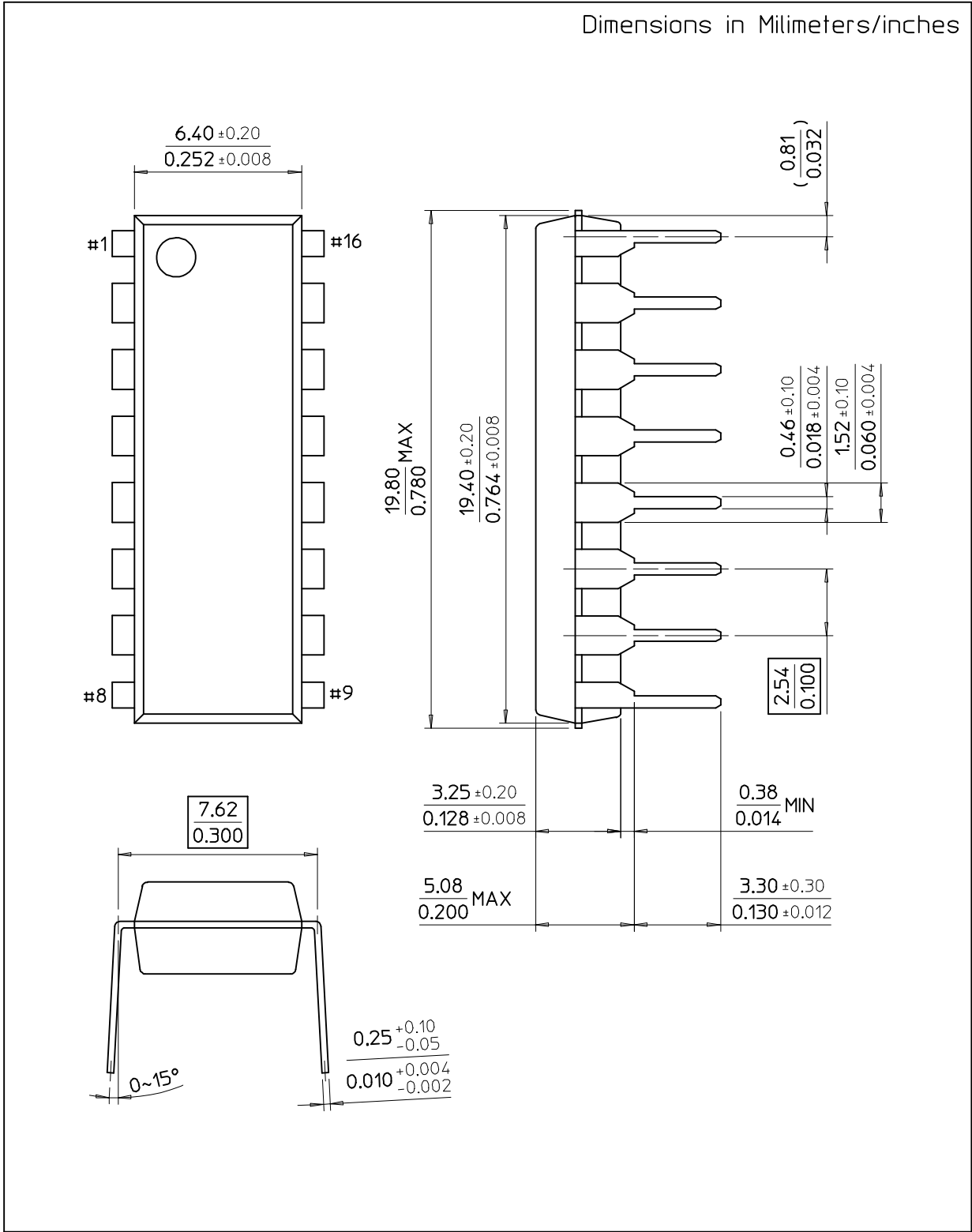
14-DIP-300

Dimensions in Millimeters/inches



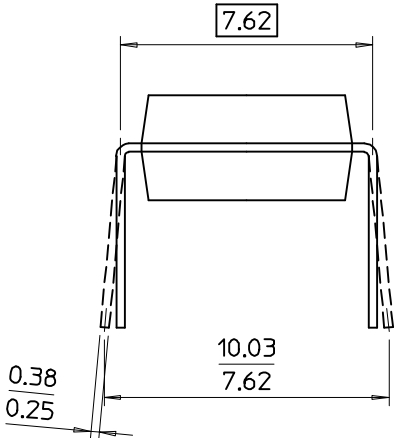
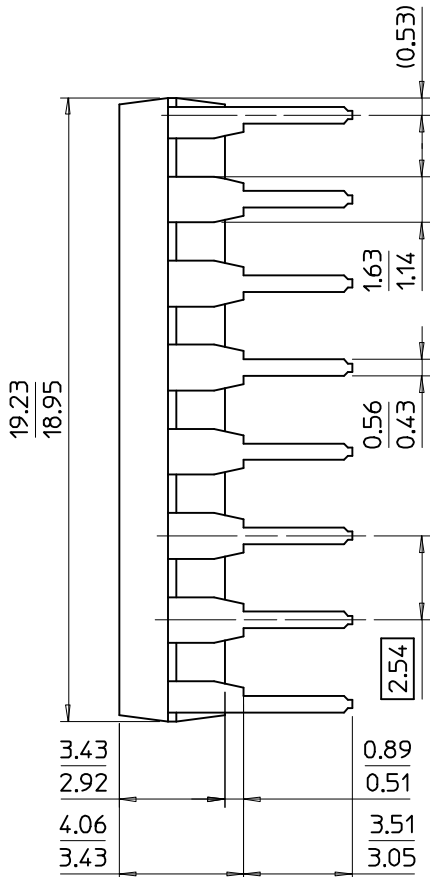
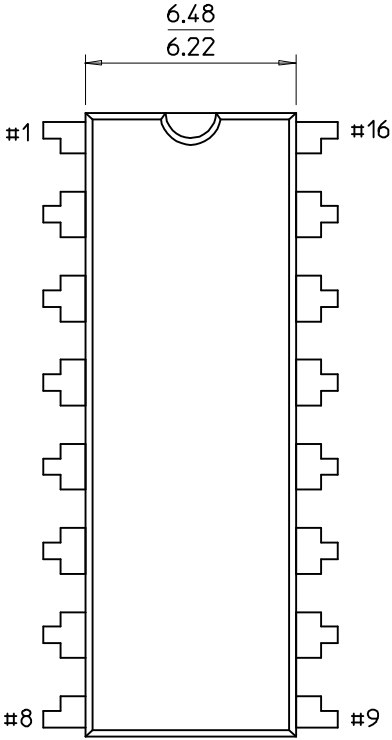
16-DIP-300A

Dimensions in Millimeters/inches



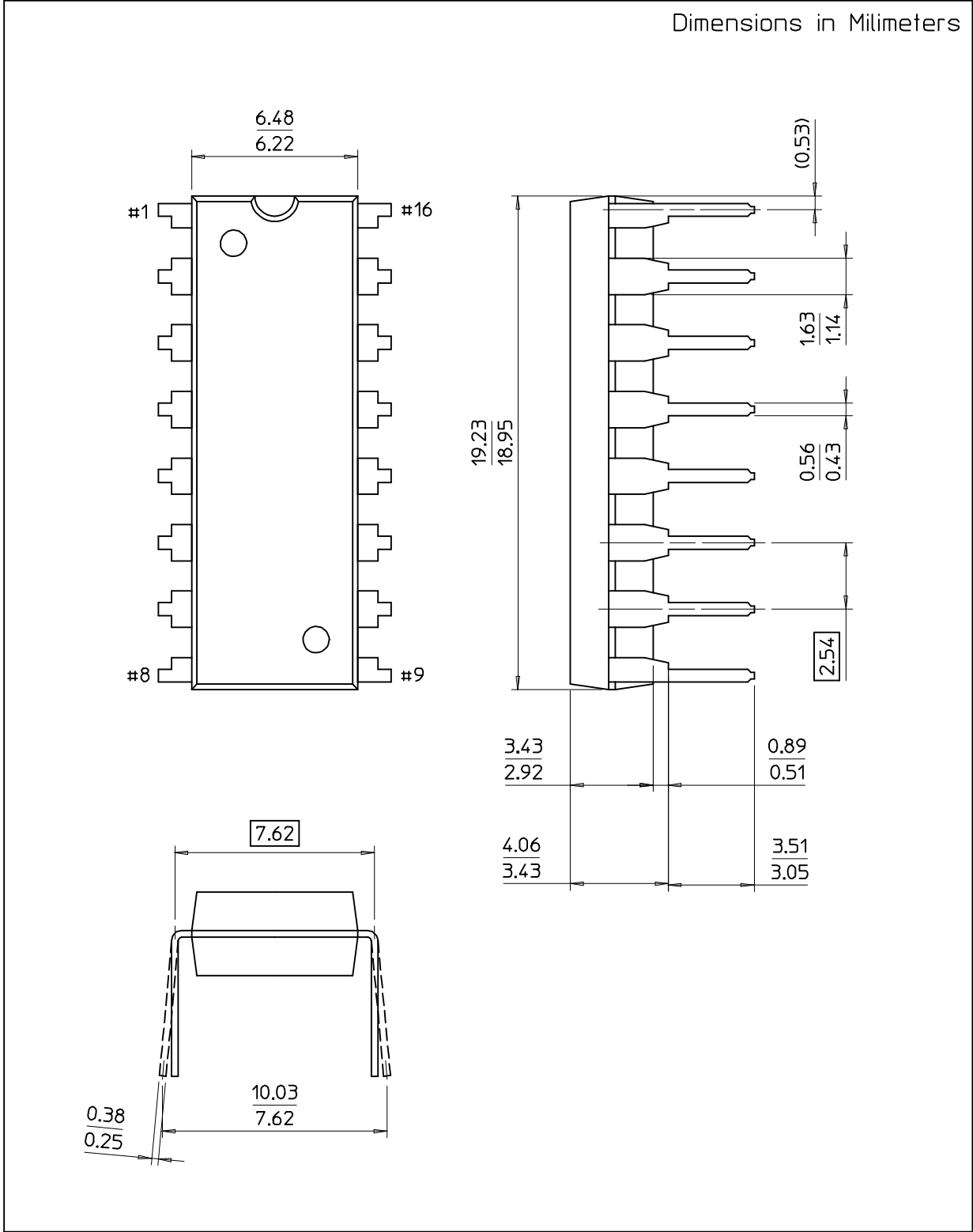
16-DIP-300A-SG

Dimensions in Millimeters



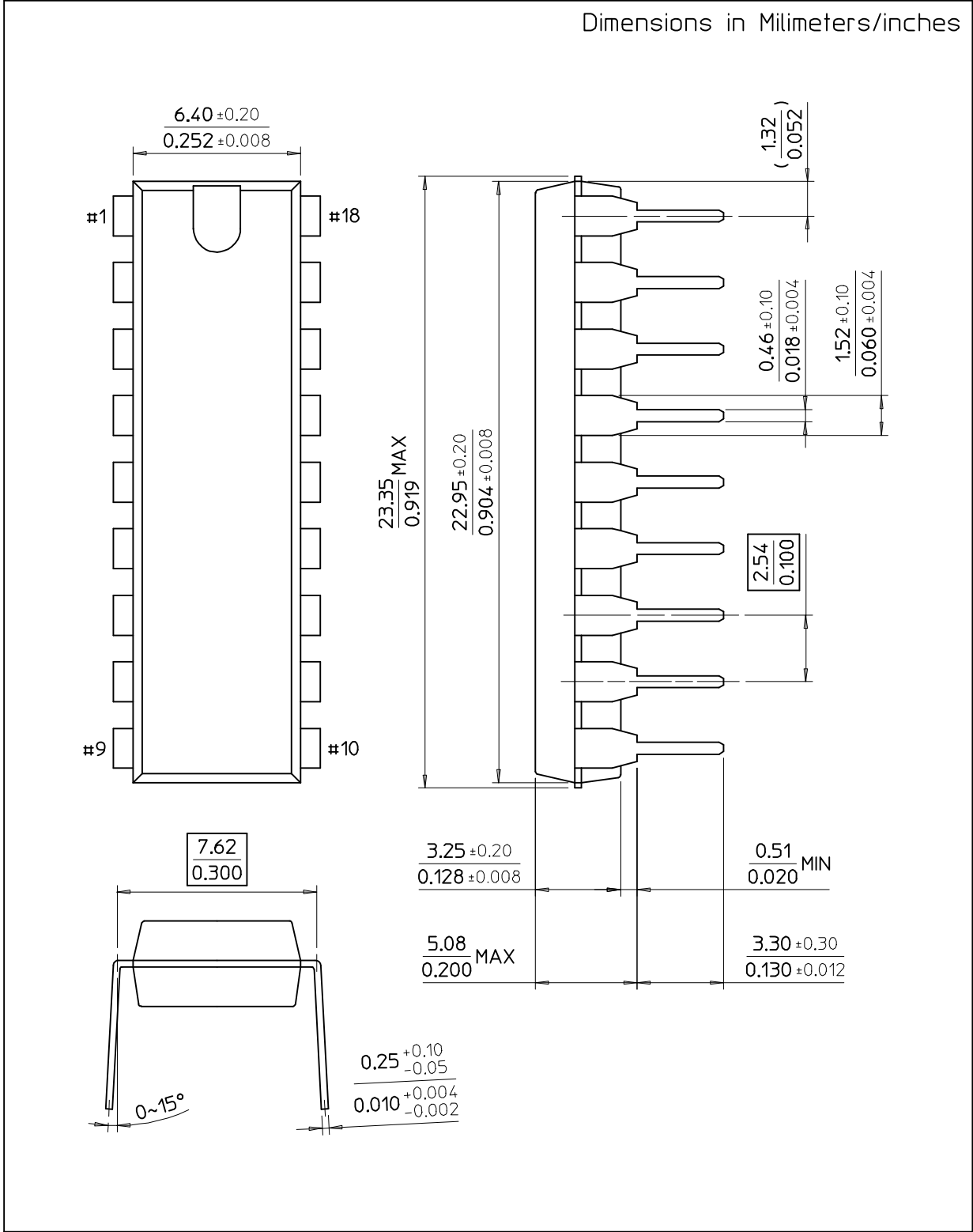
16-DIP-300B-SG

Dimensions in Millimeters



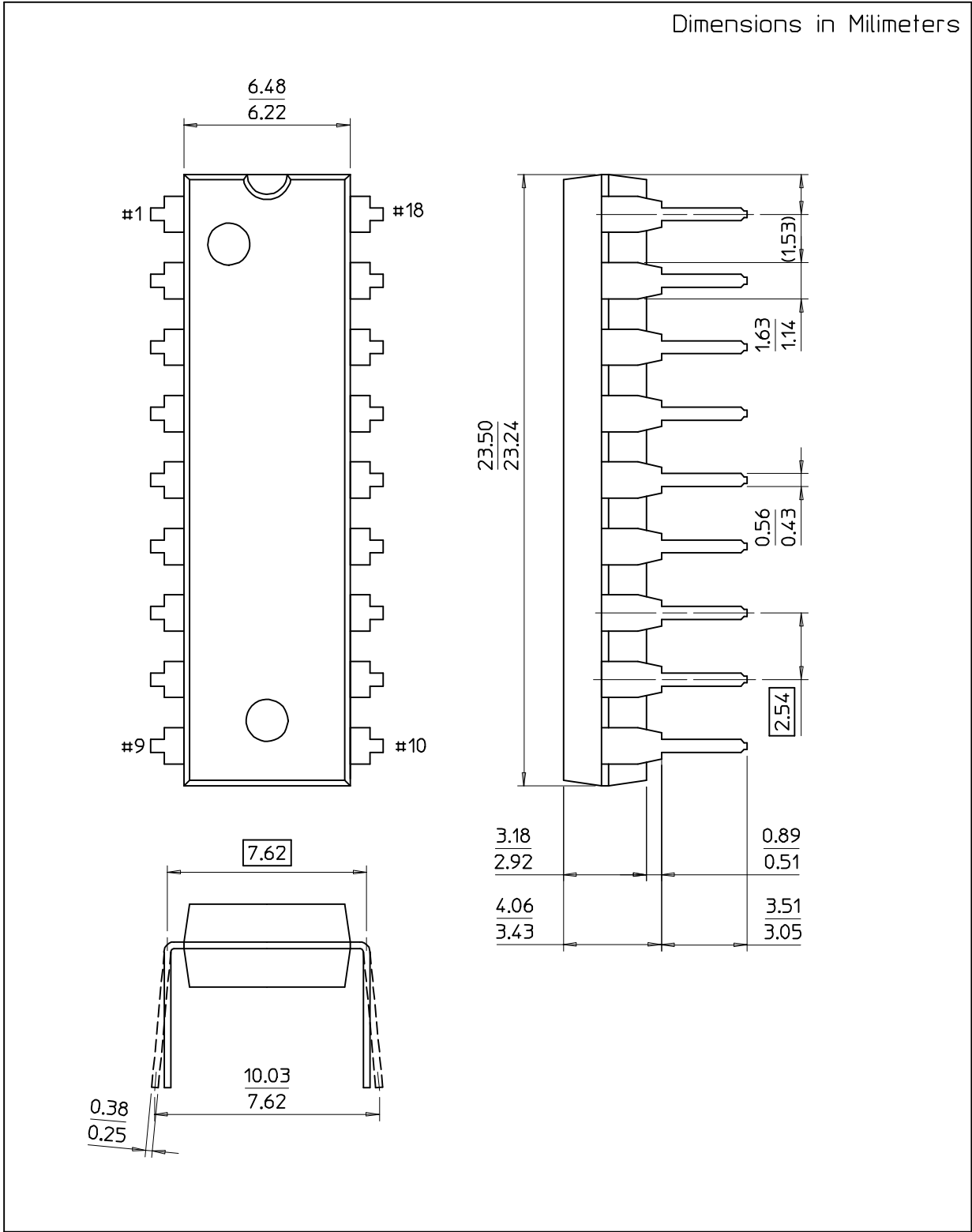
18-DIP-300A

Dimensions in Milimeters/inches



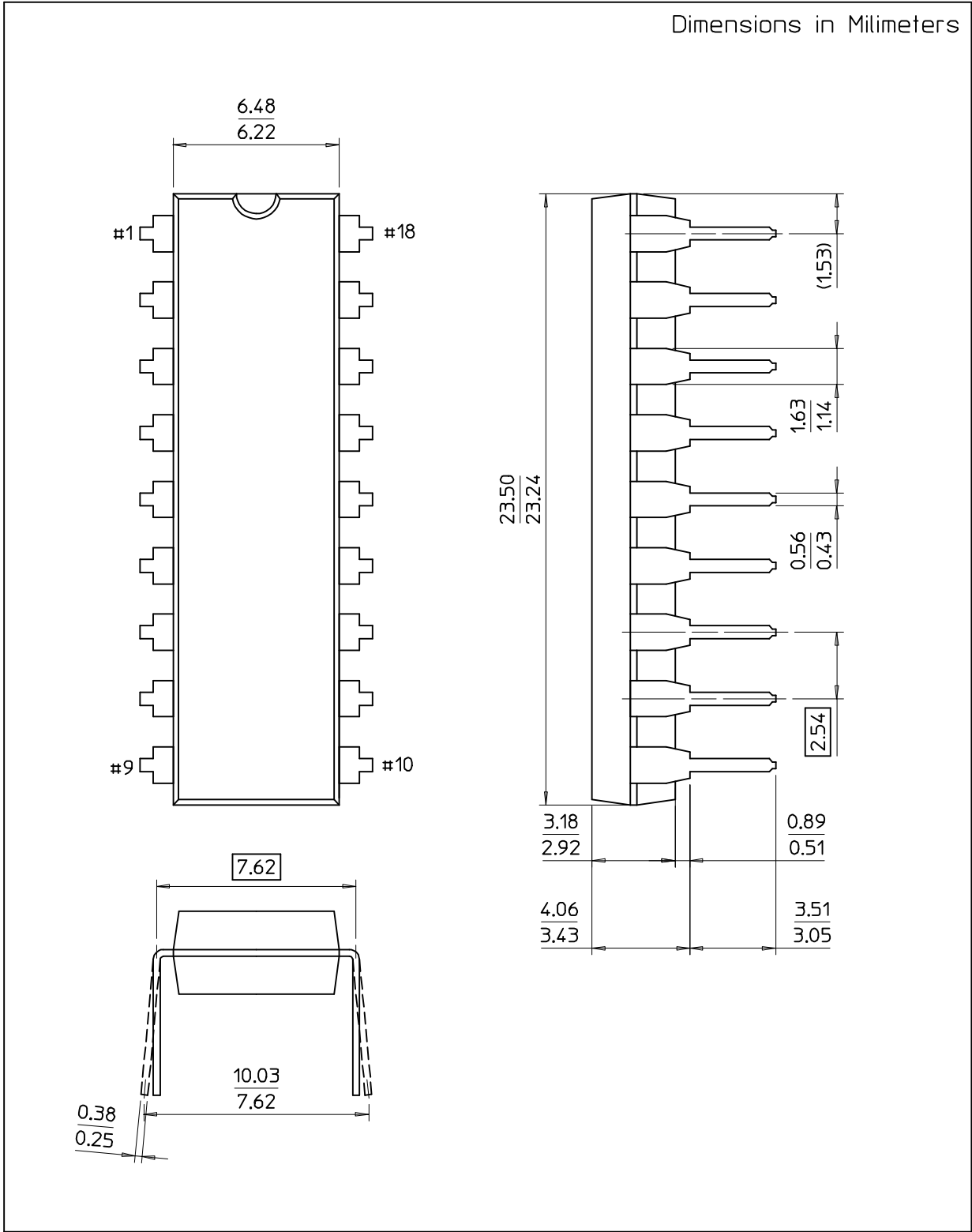
18-DIP-300A-SG

Dimensions in Millimeters



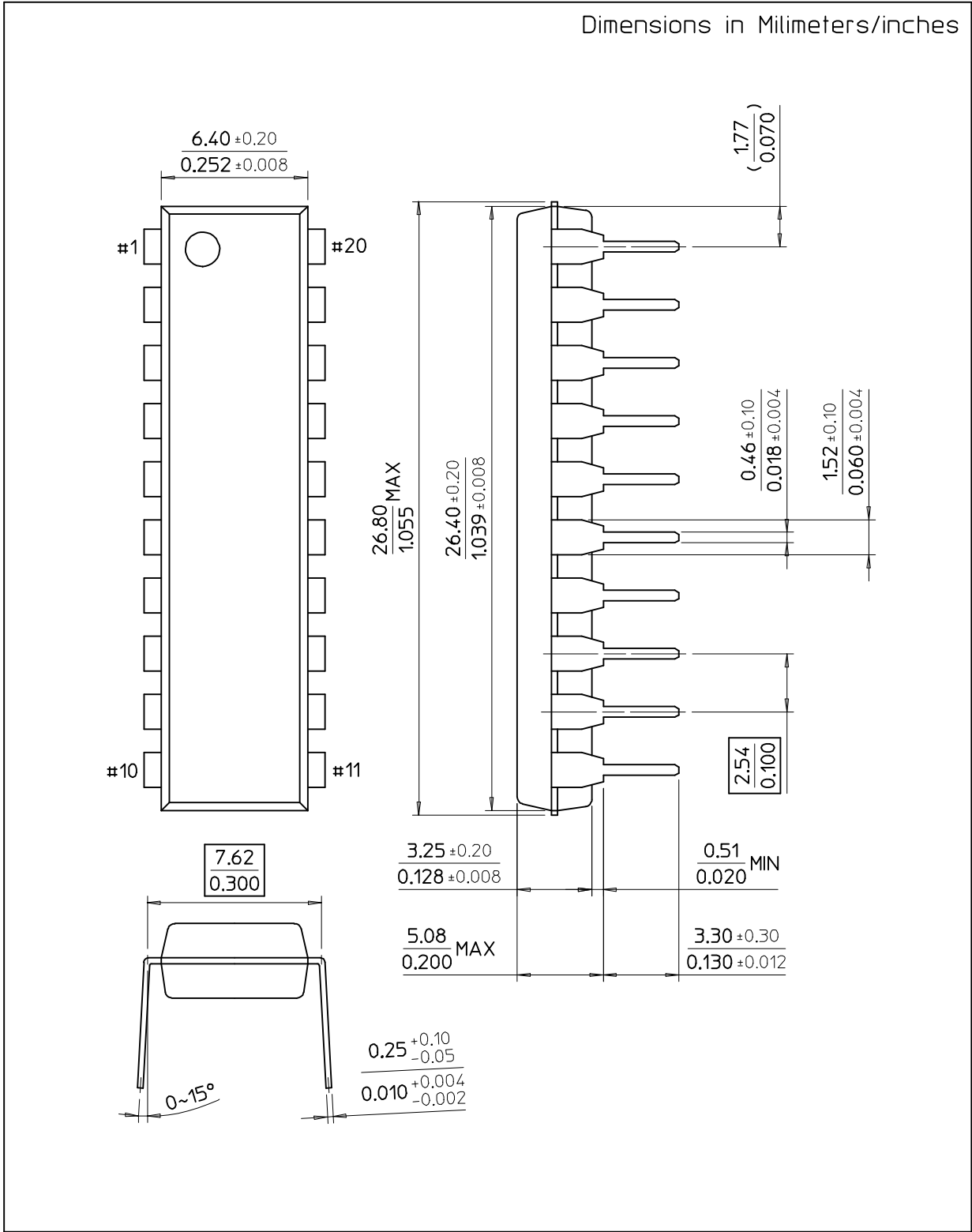
18-DIP-300B-SG

Dimensions in Millimeters



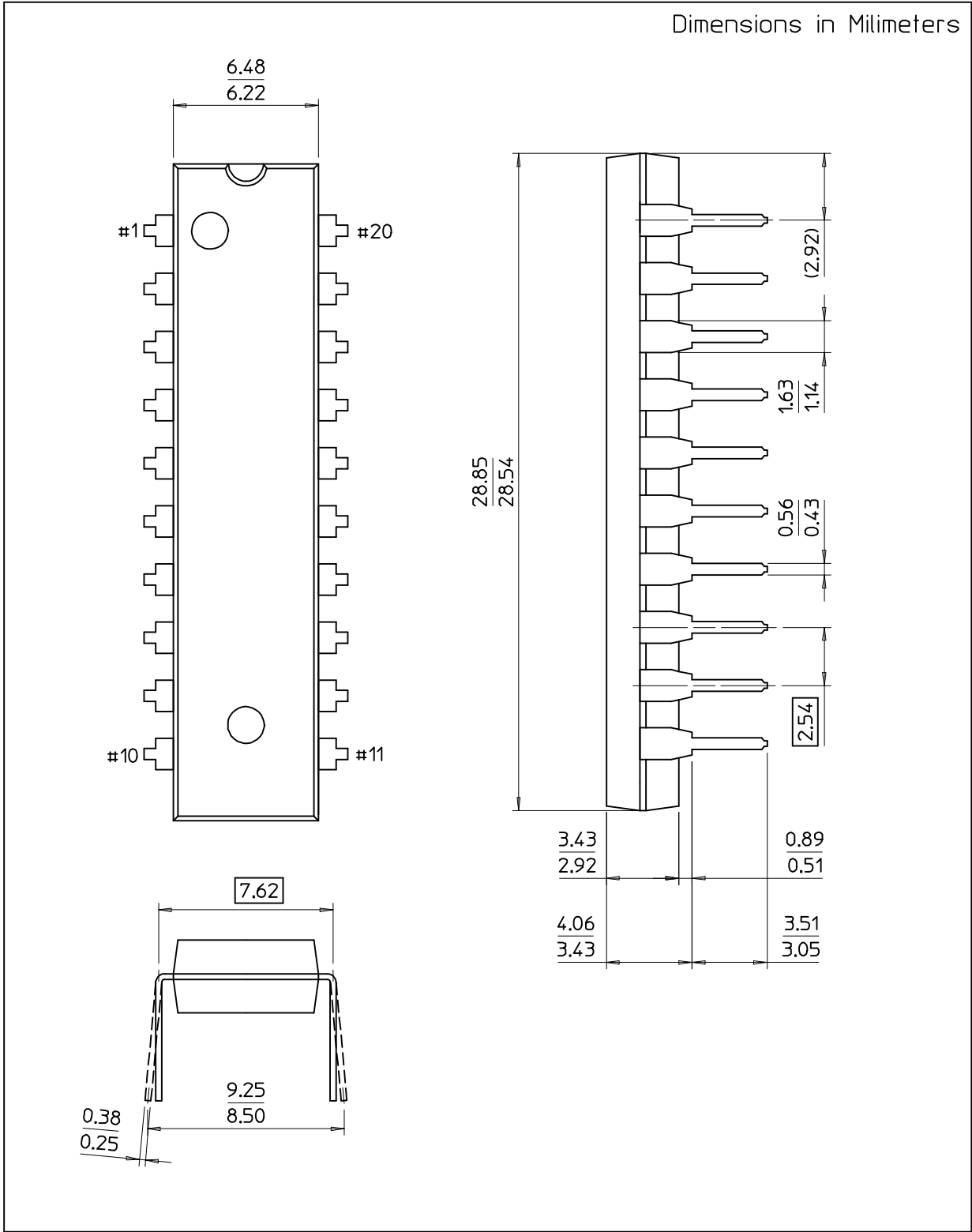
20-DIP-300A

Dimensions in Millimeters/inches



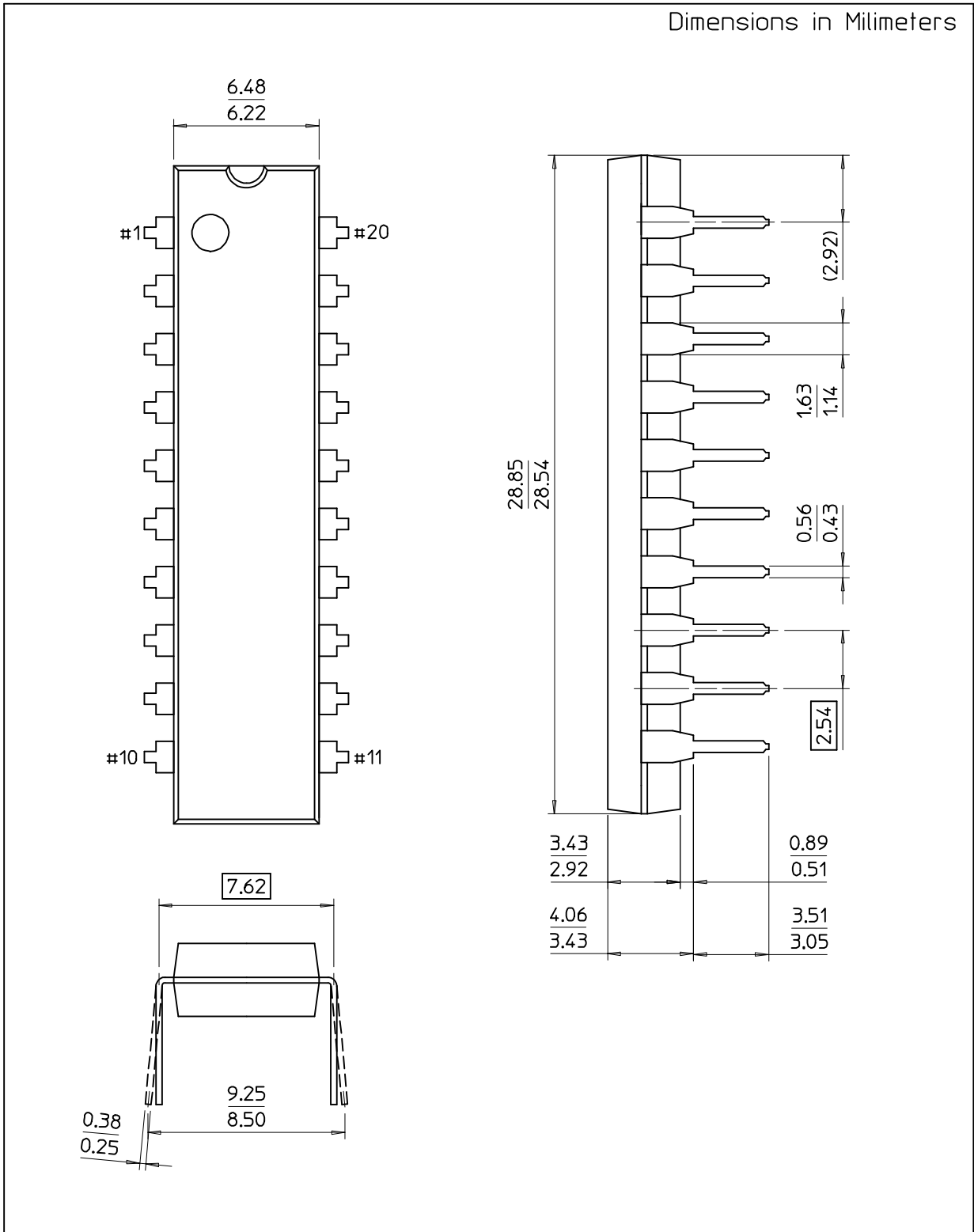
20-DIP-300A-SG

Dimensions in Millimeters



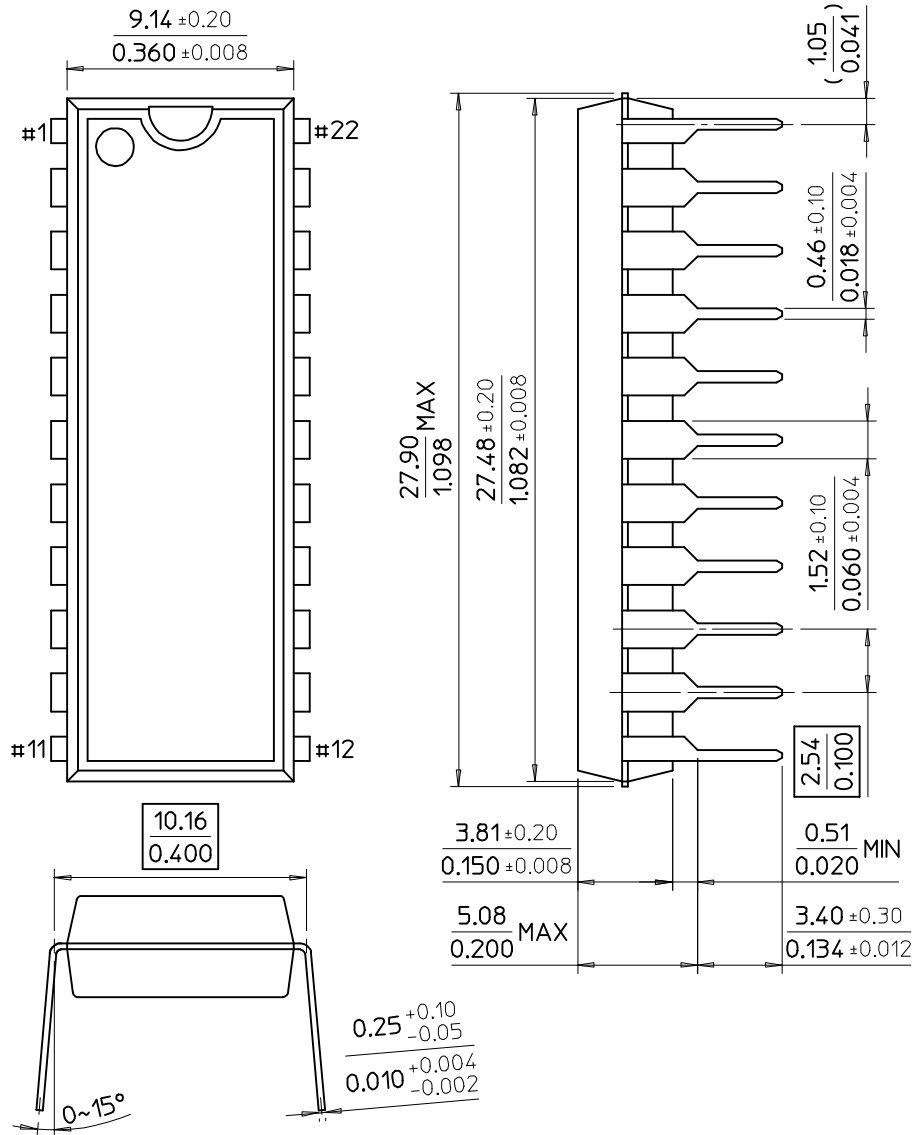
20-DIP-300B-SG

Dimensions in Millimeters



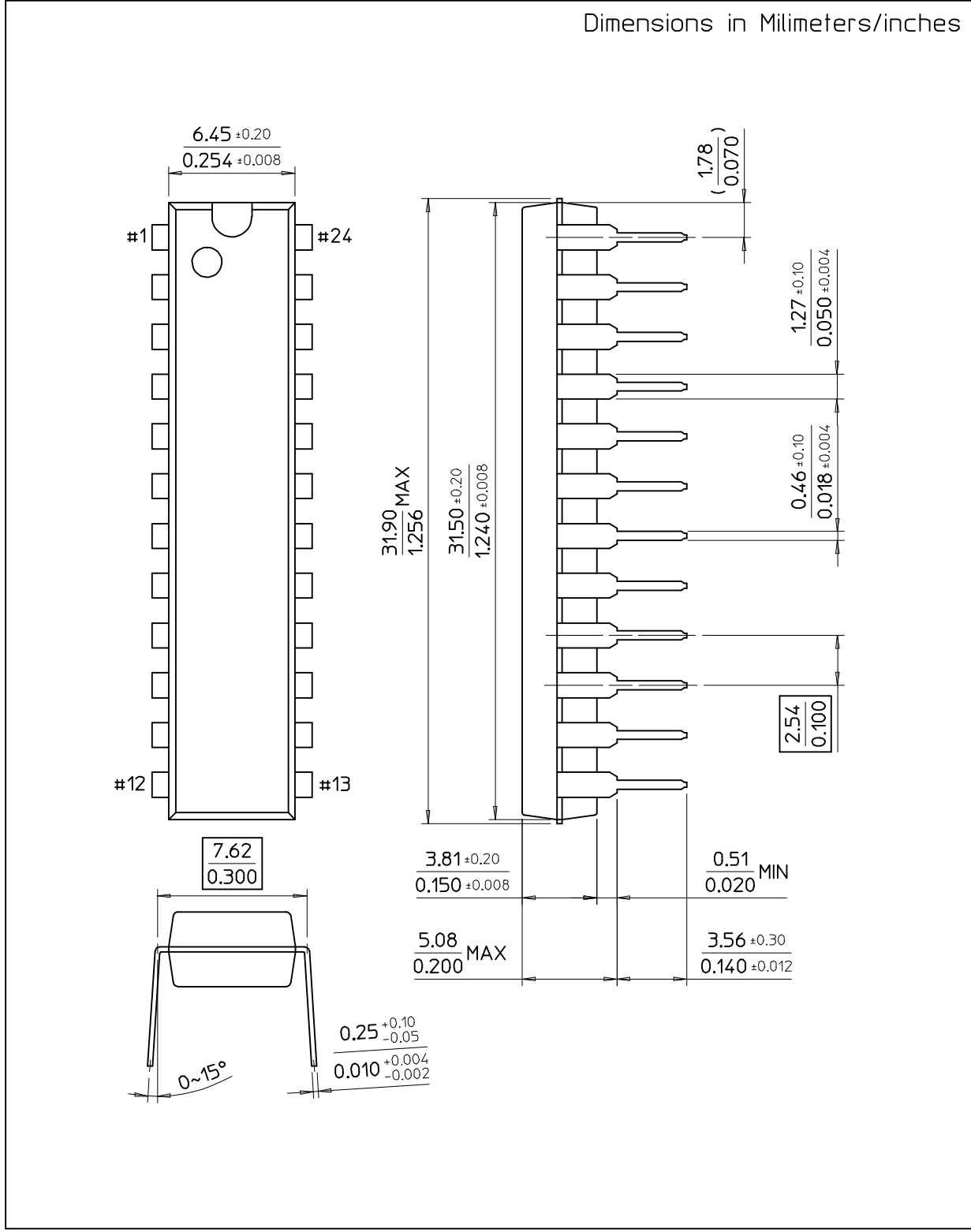
22-DIP-400

Dimensions in Milimeters/inches

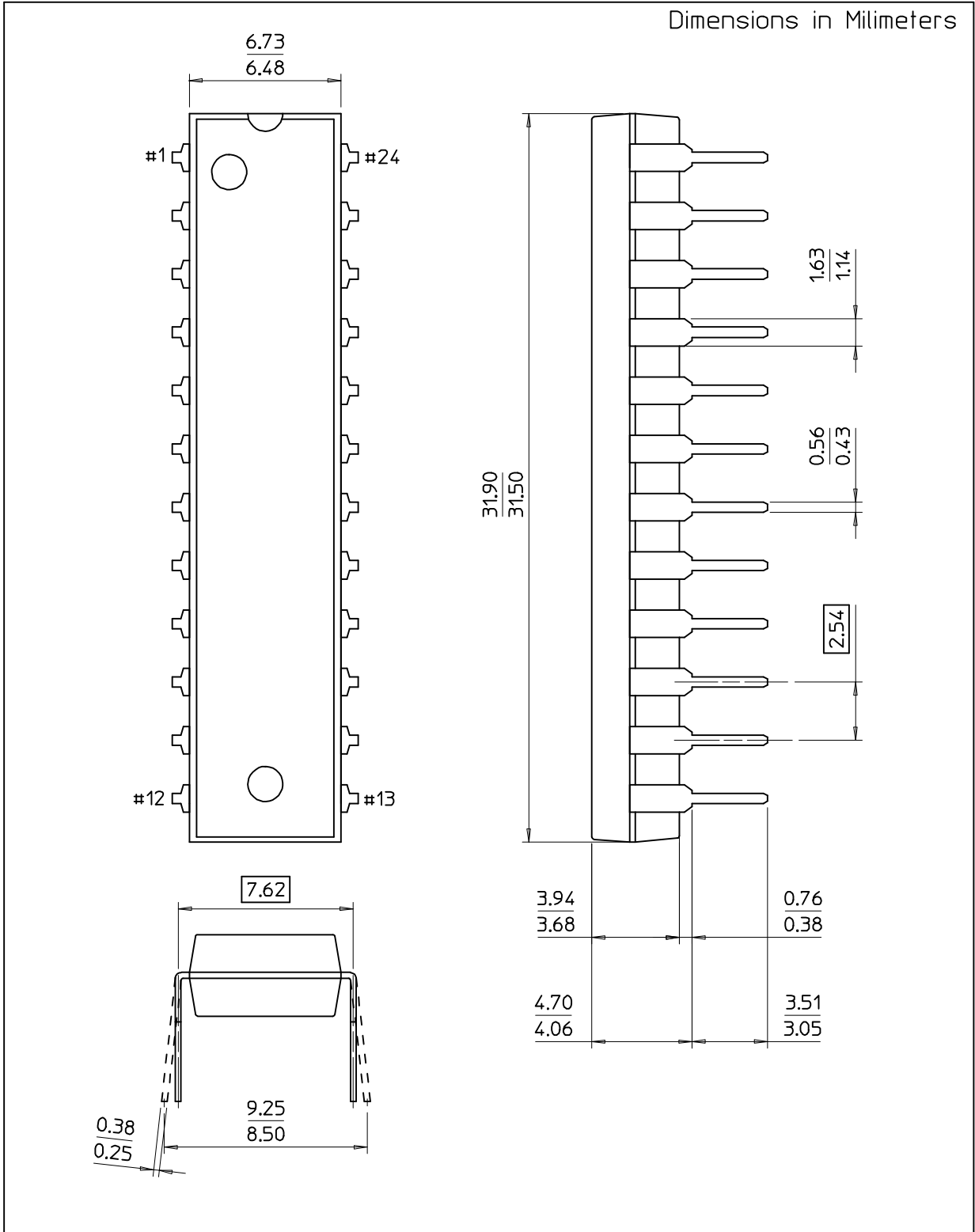


24-DIP-300

Dimensions in Millimeters/inches

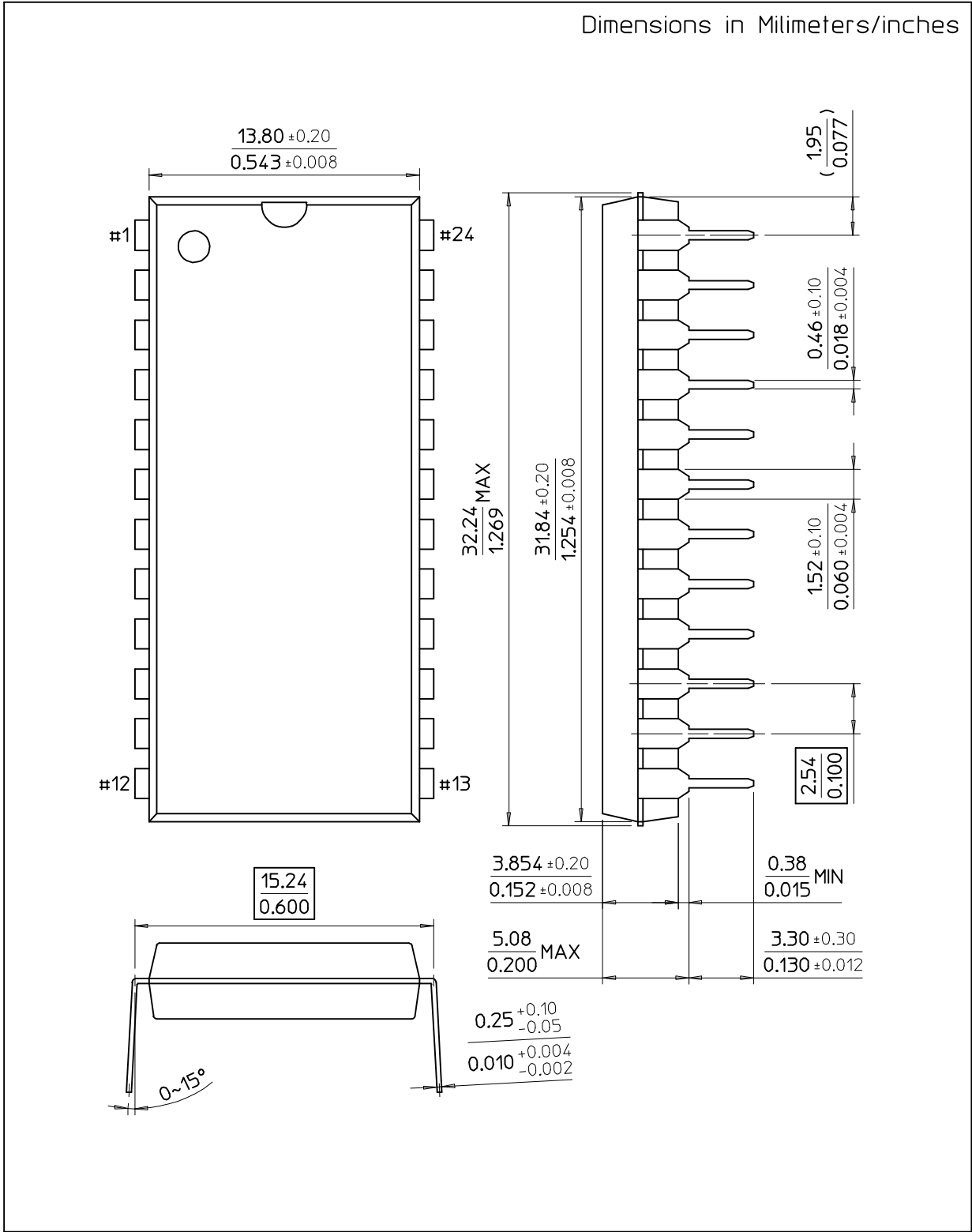


24-DIP-300-SG



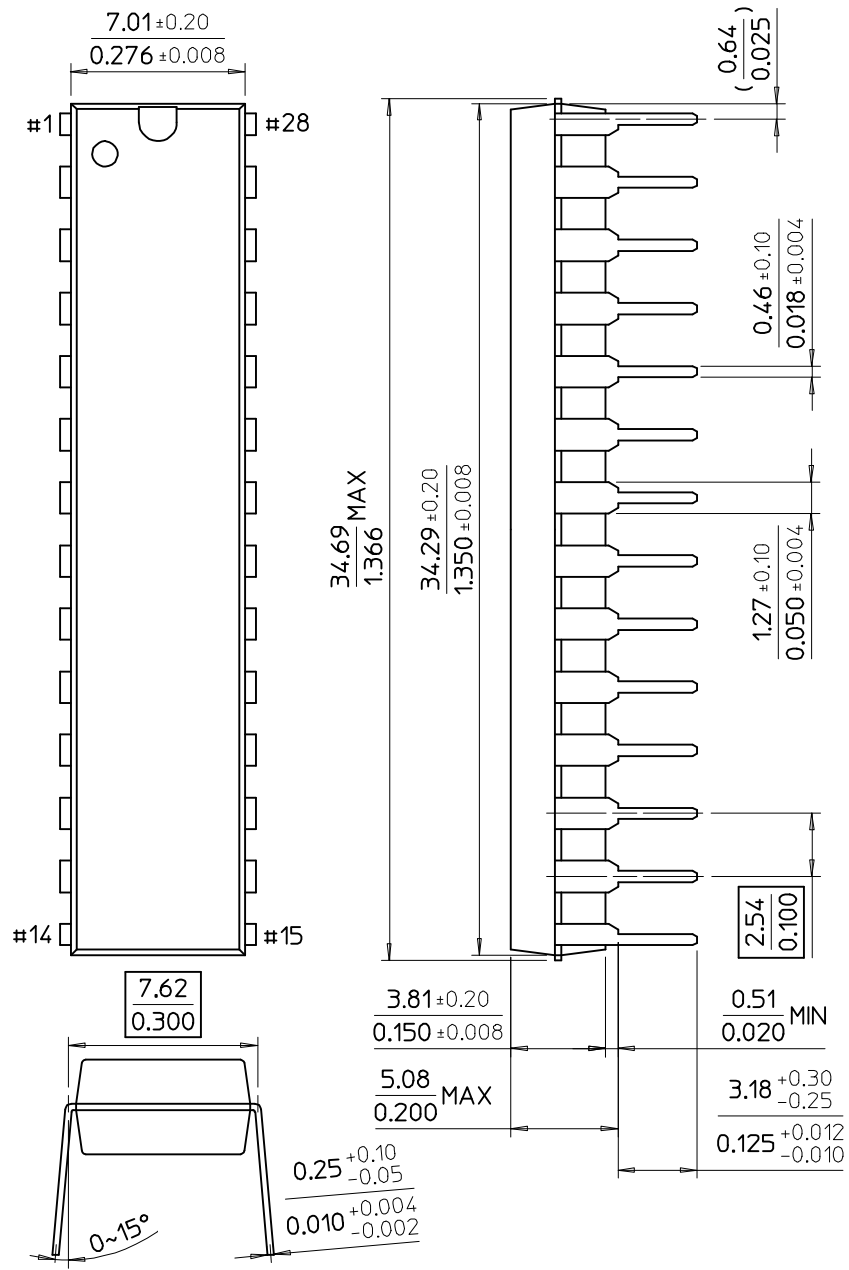
24-DIP-600A

Dimensions in Millimeters/inches



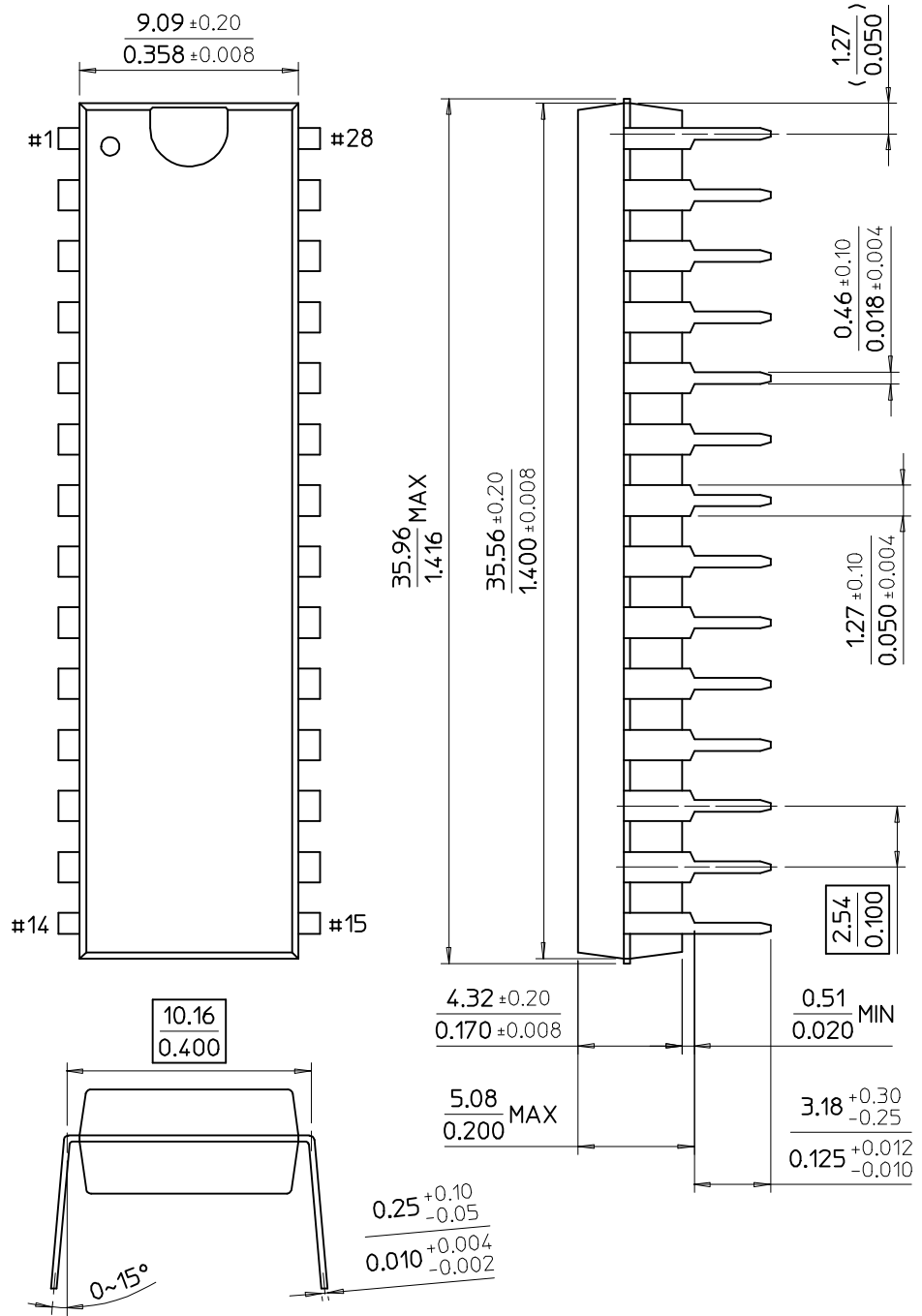
28-DIP-300

Dimensions in Millimeters/inches



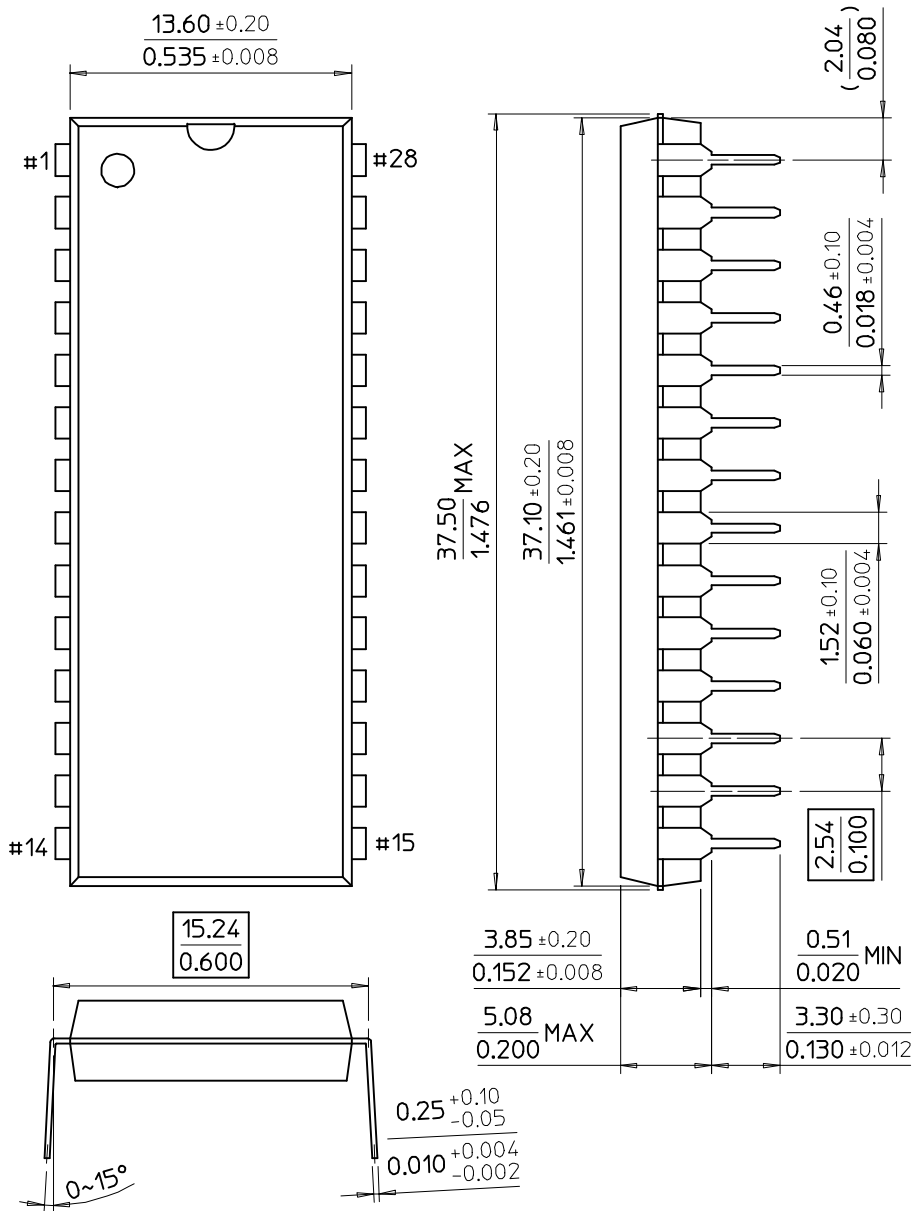
28-DIP-400

Dimensions in Millimeters/inches



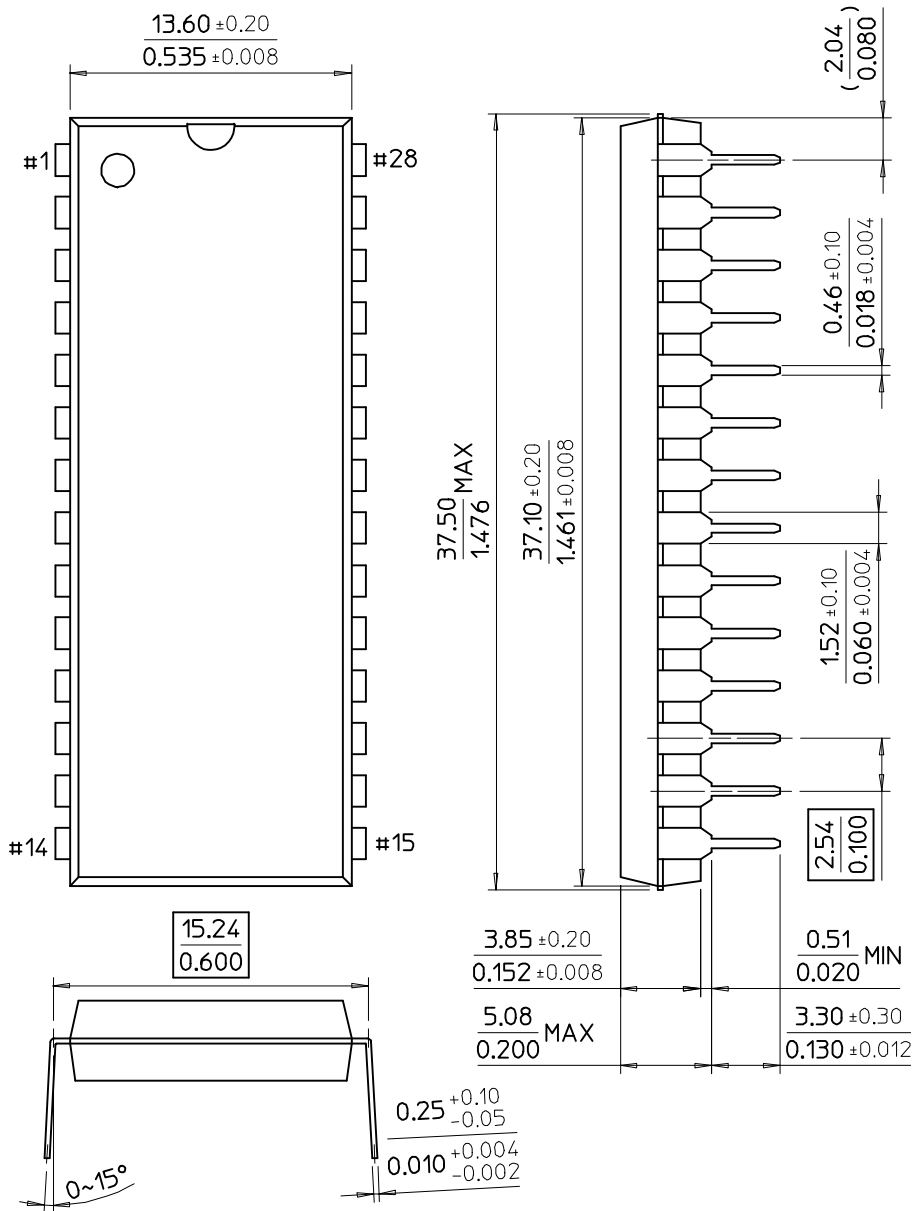
28-DIP-600A

Dimensions in Millimeters/inches



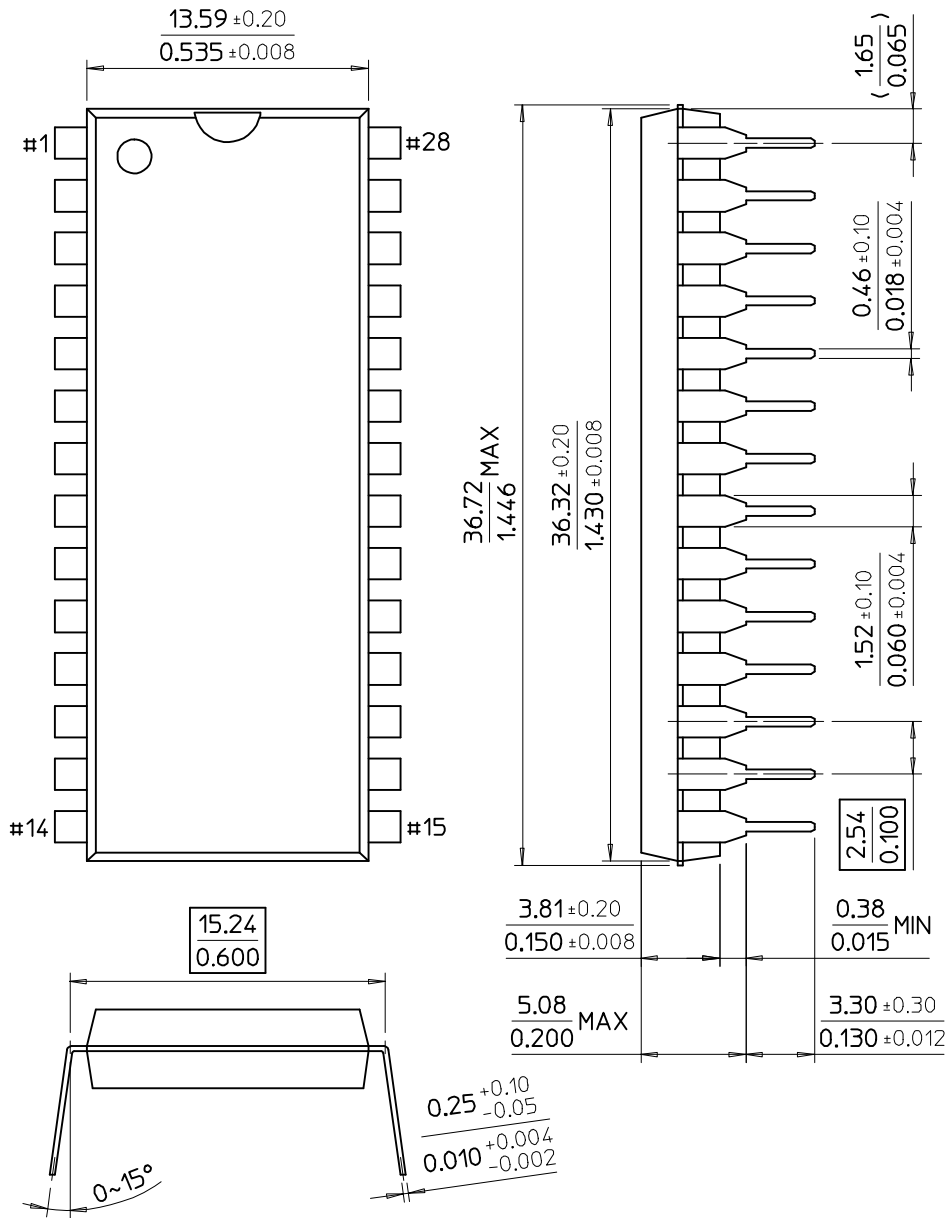
28-DIP-600A

Dimensions in Millimeters/inches

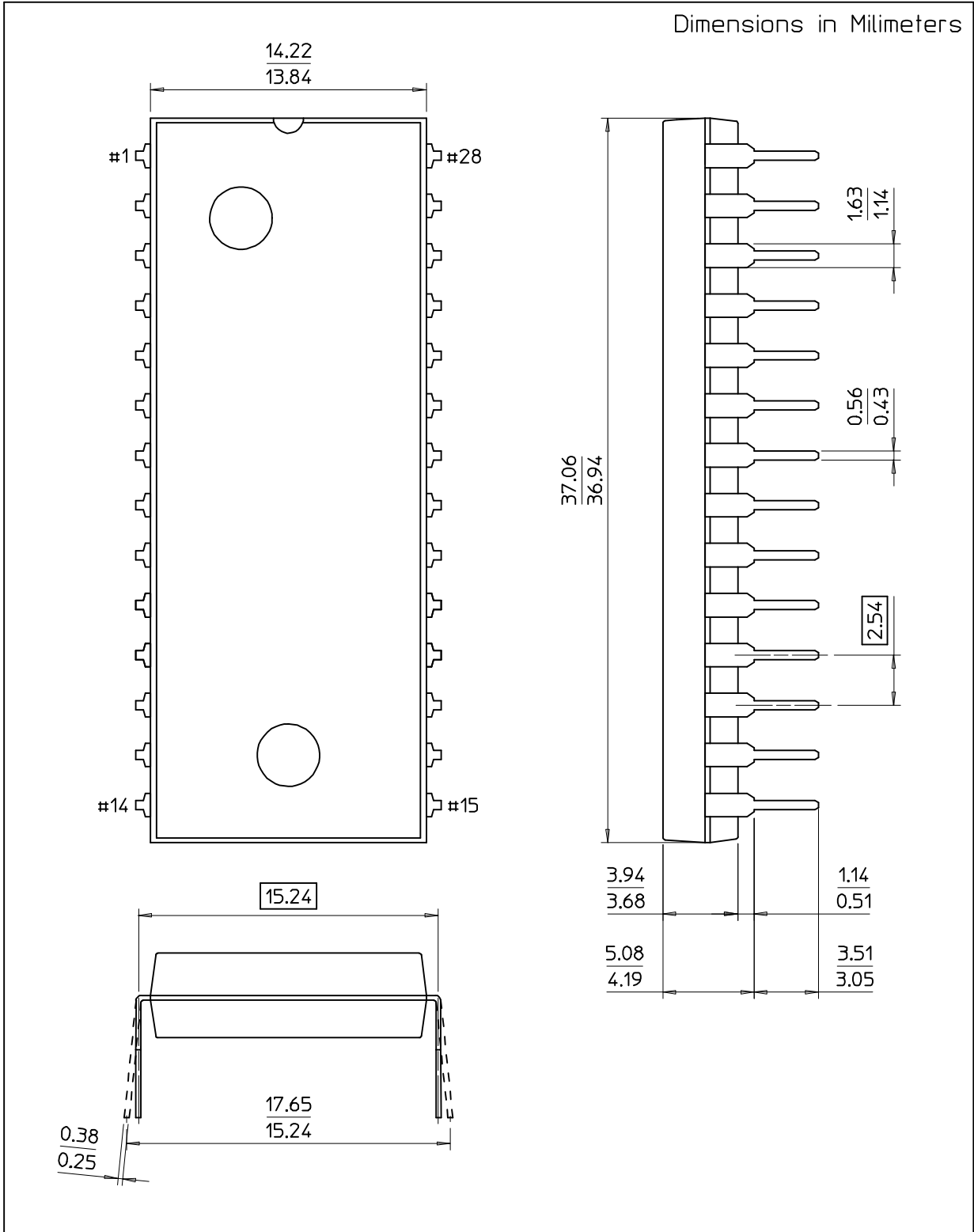


28-DIP-600B

Dimensions in Millimeters/inches

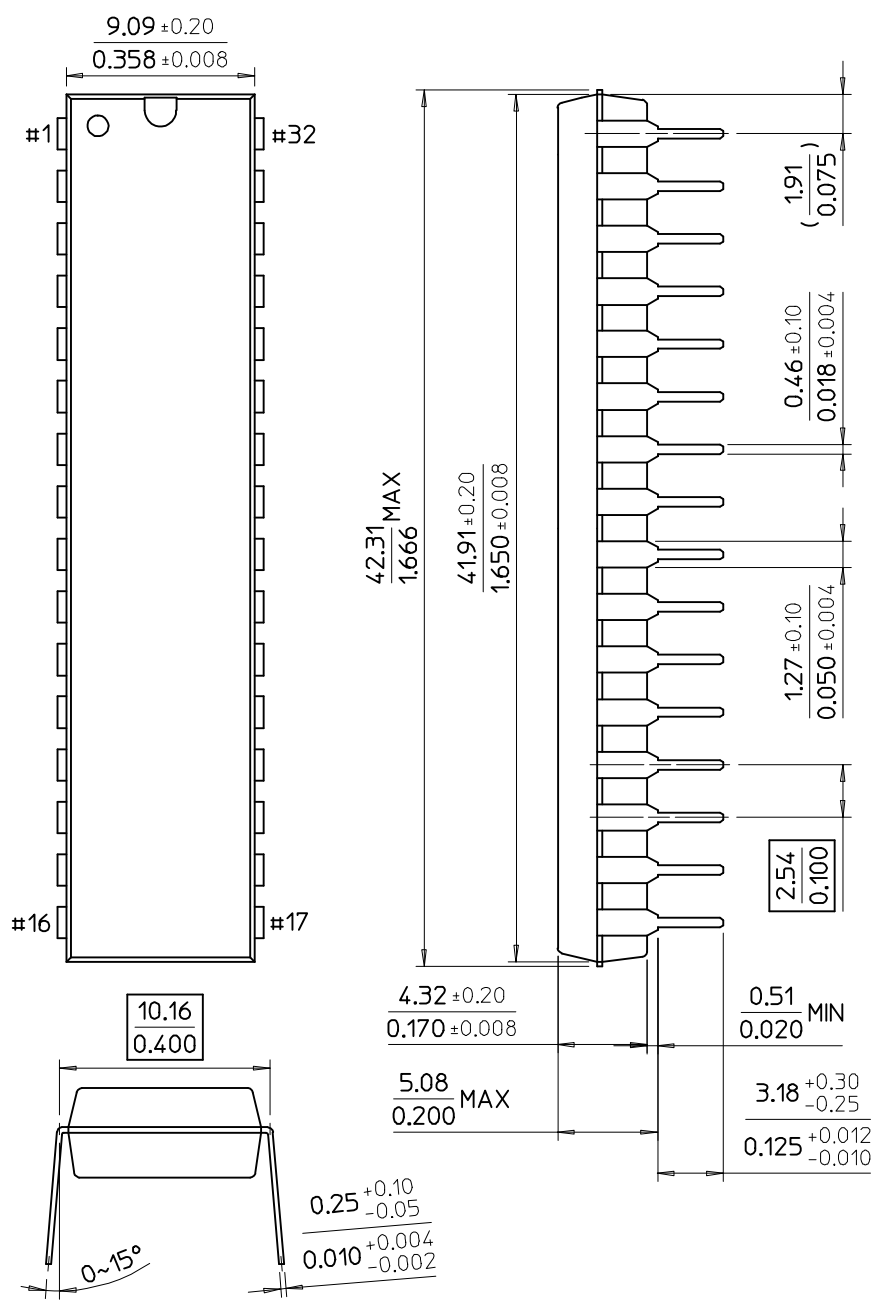


28-DIP-600-SG



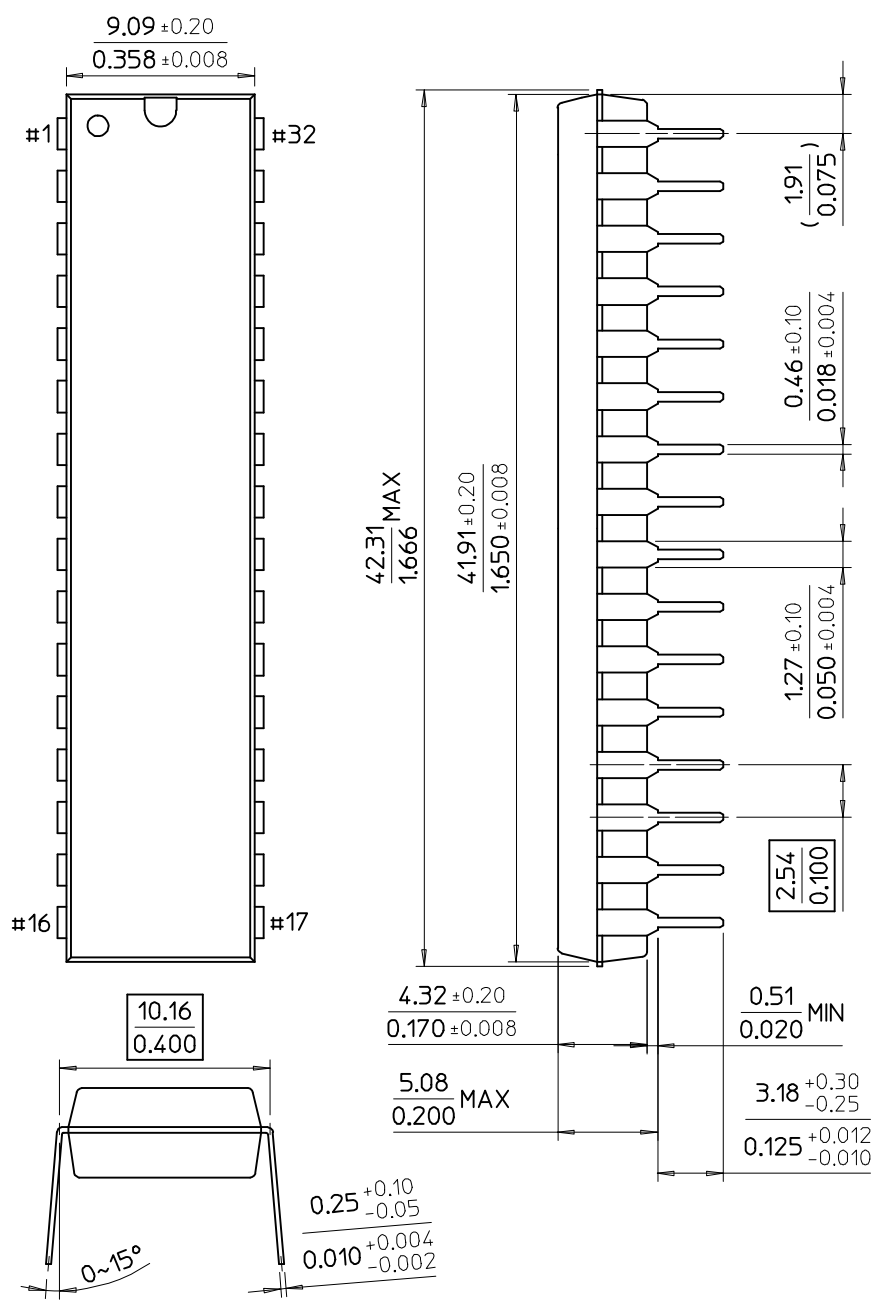
32-DIP-400

Dimensions in Millimeters/inches



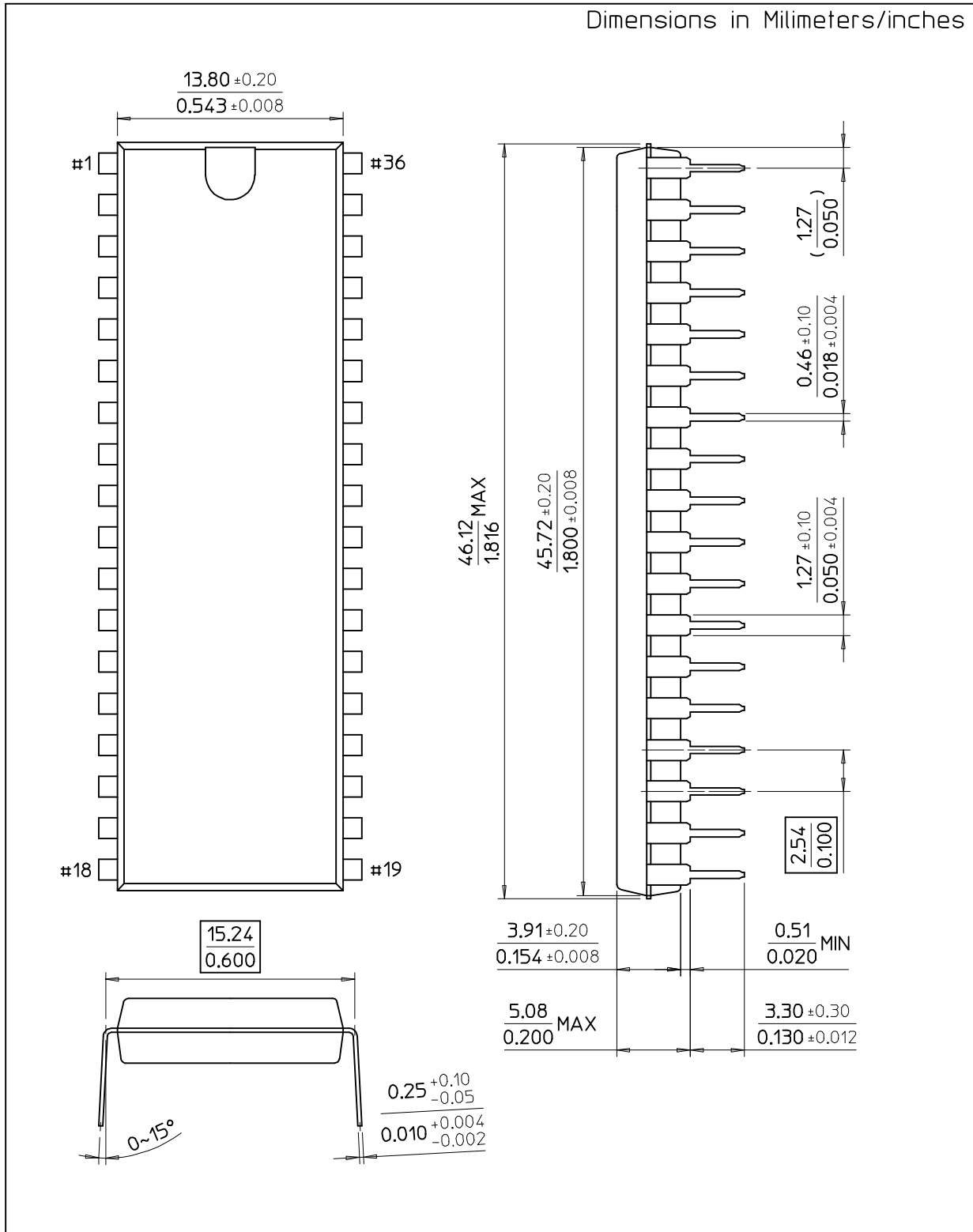
32-DIP-400

Dimensions in Millimeters/inches



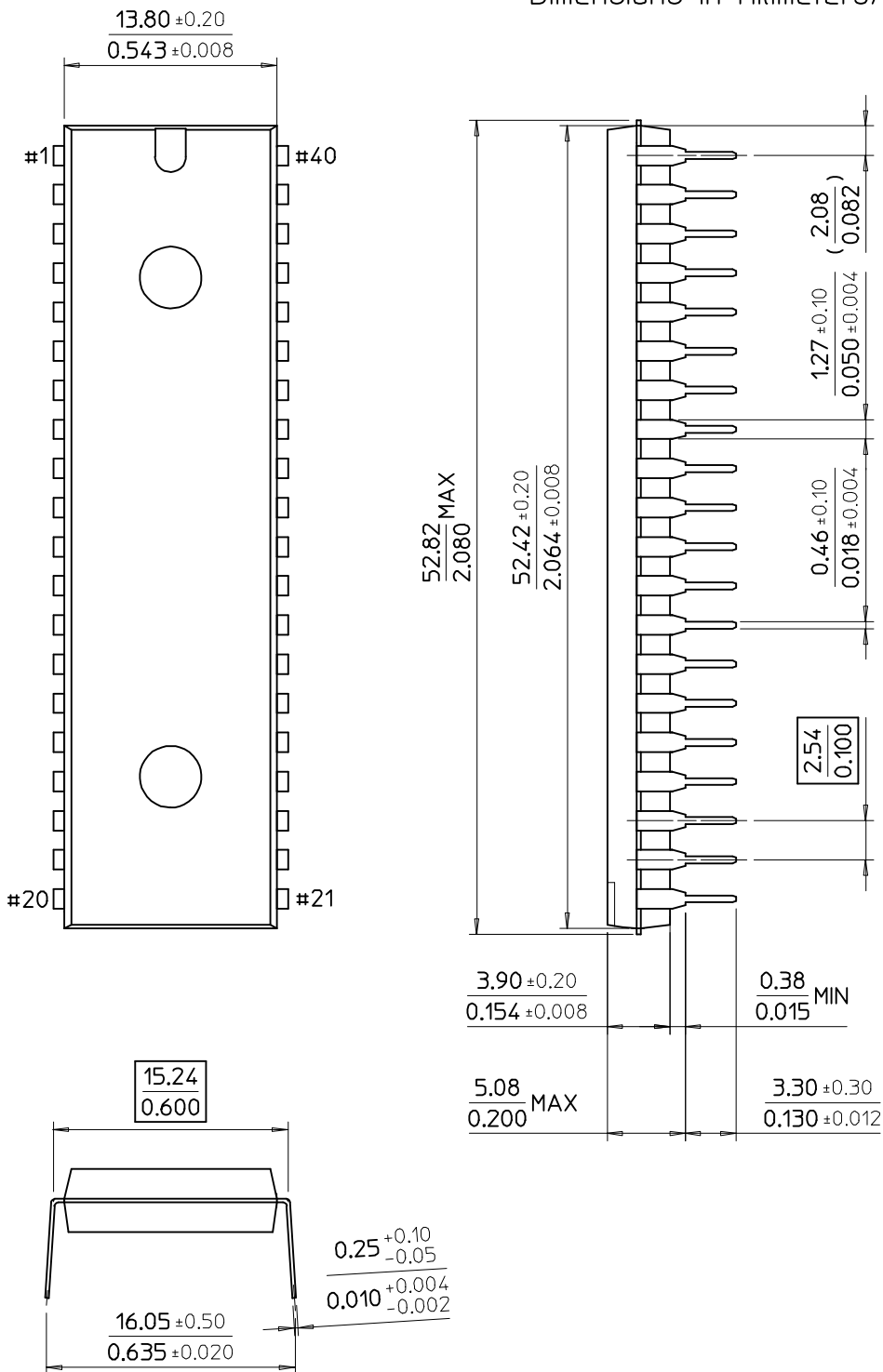
36-DIP-600

Dimensions in Millimeters/inches



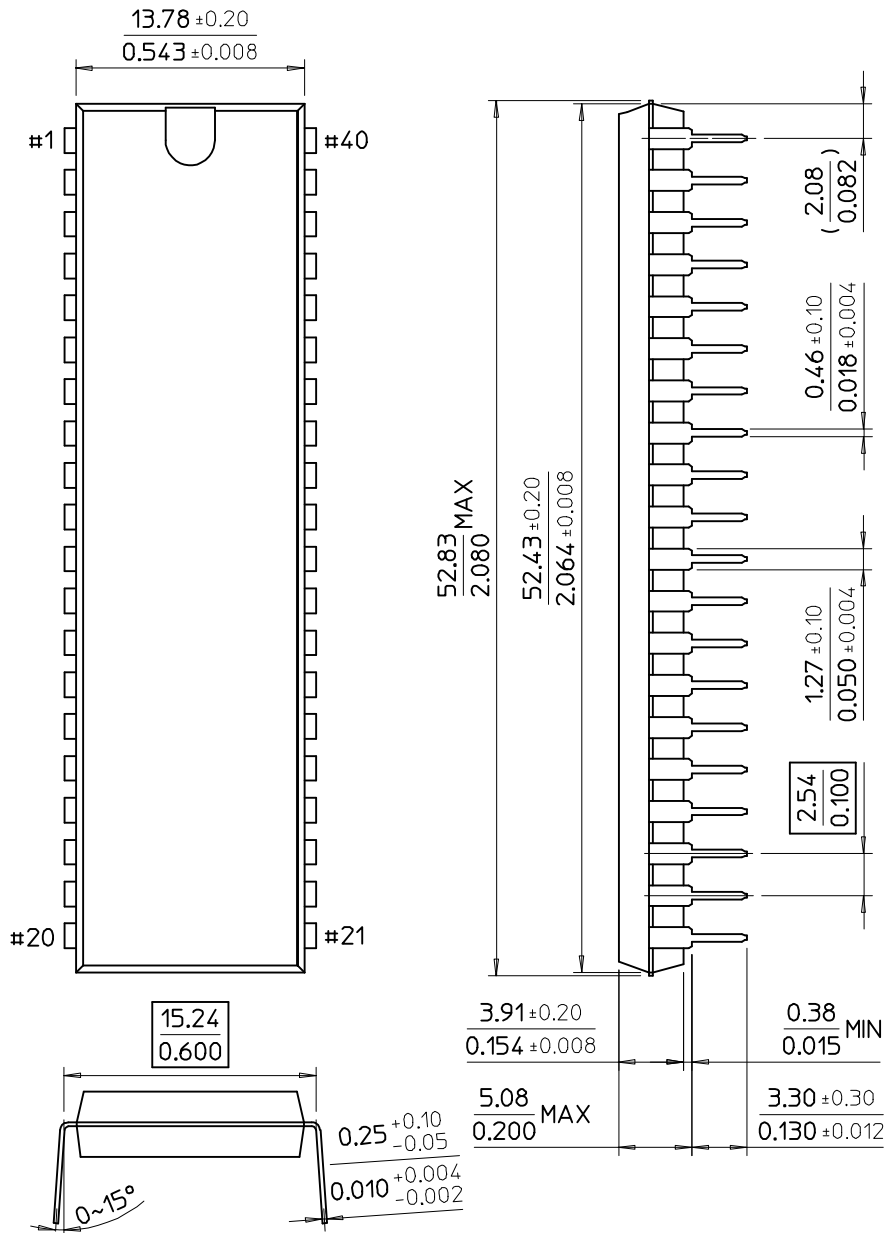
40-DIP-600B

Dimensions in Millimeters/inches



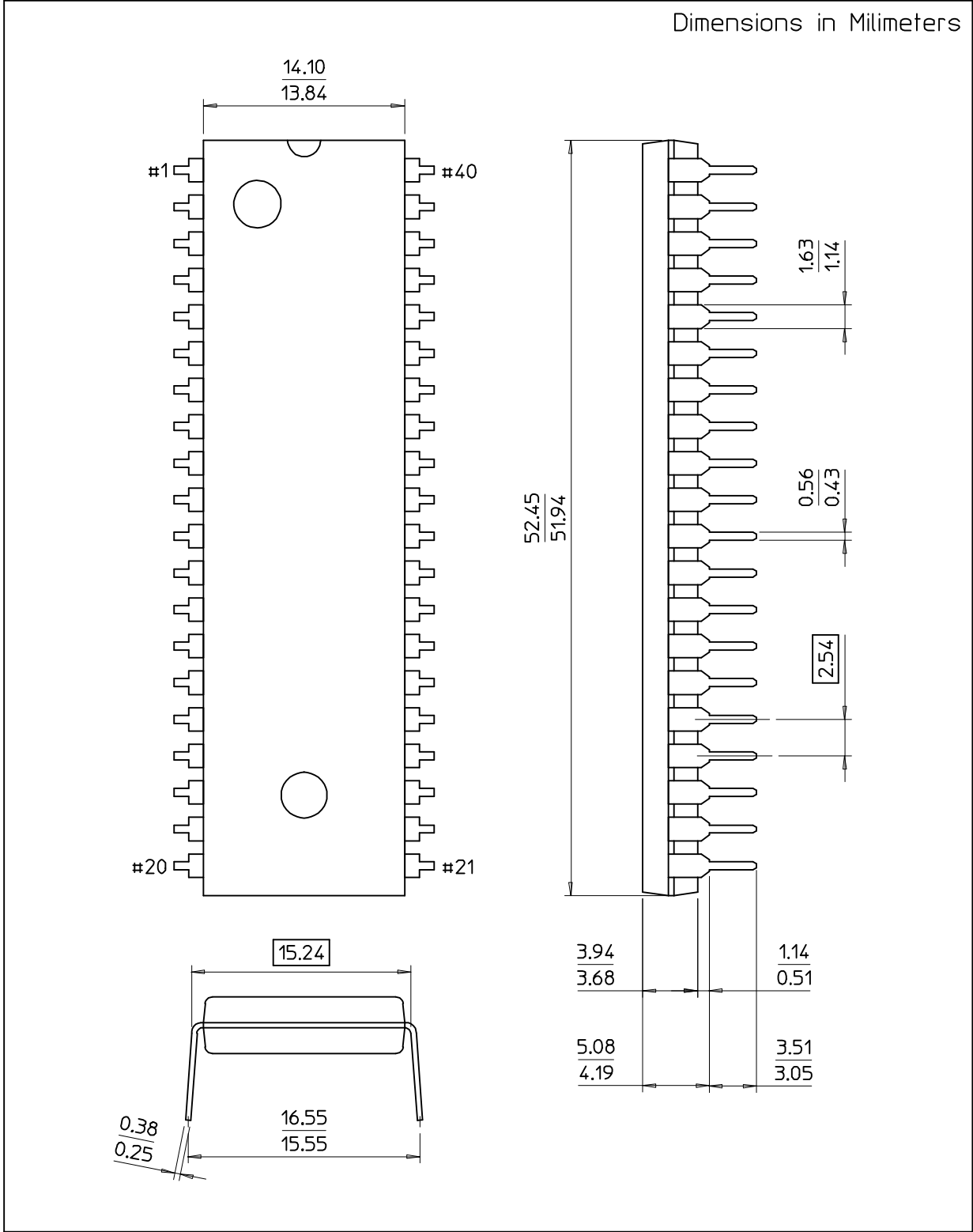
40-DIP-600D

Dimensions in Millimeters/inches



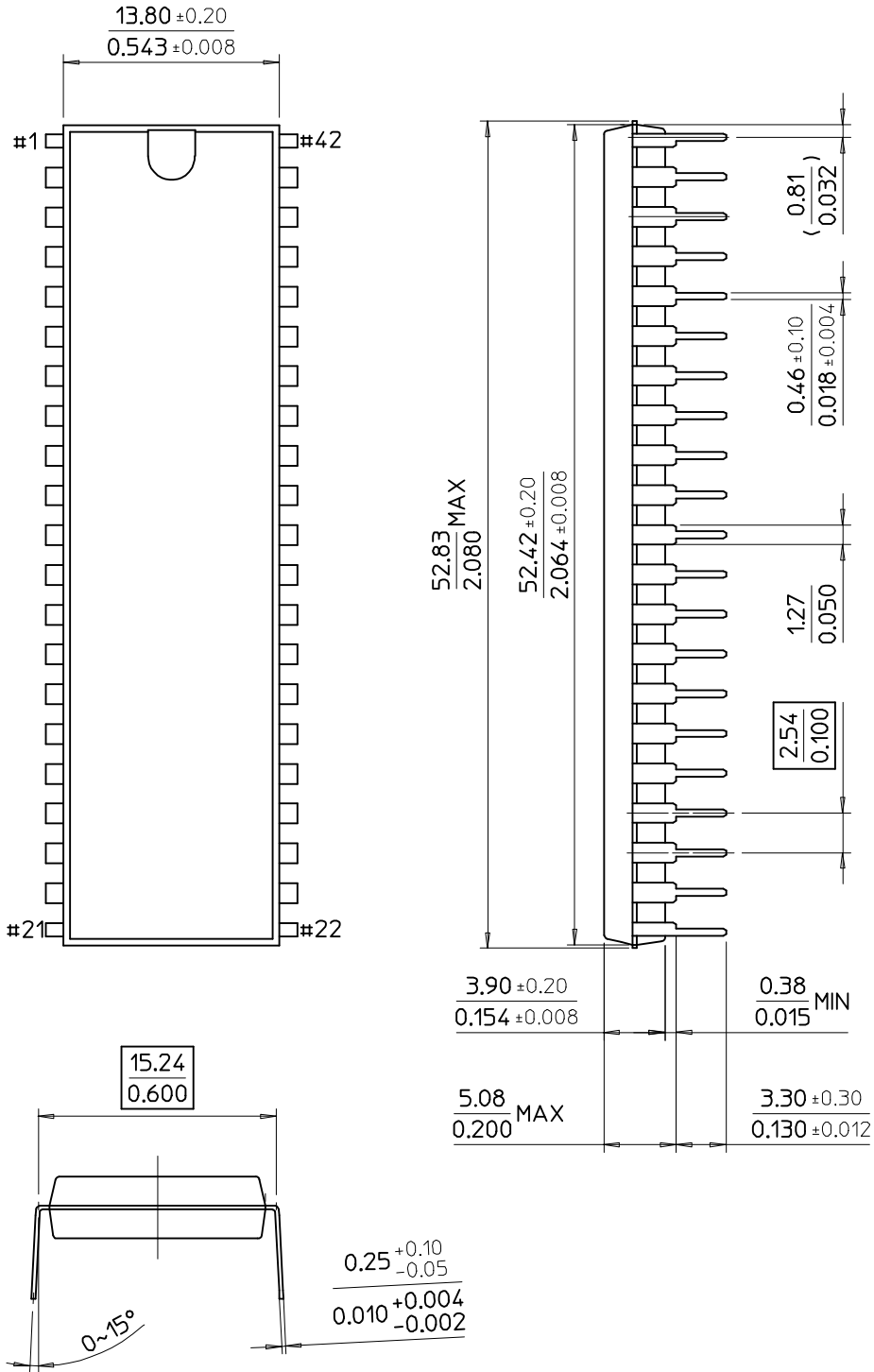
40-DIP-600-SG

Dimensions in Millimeters



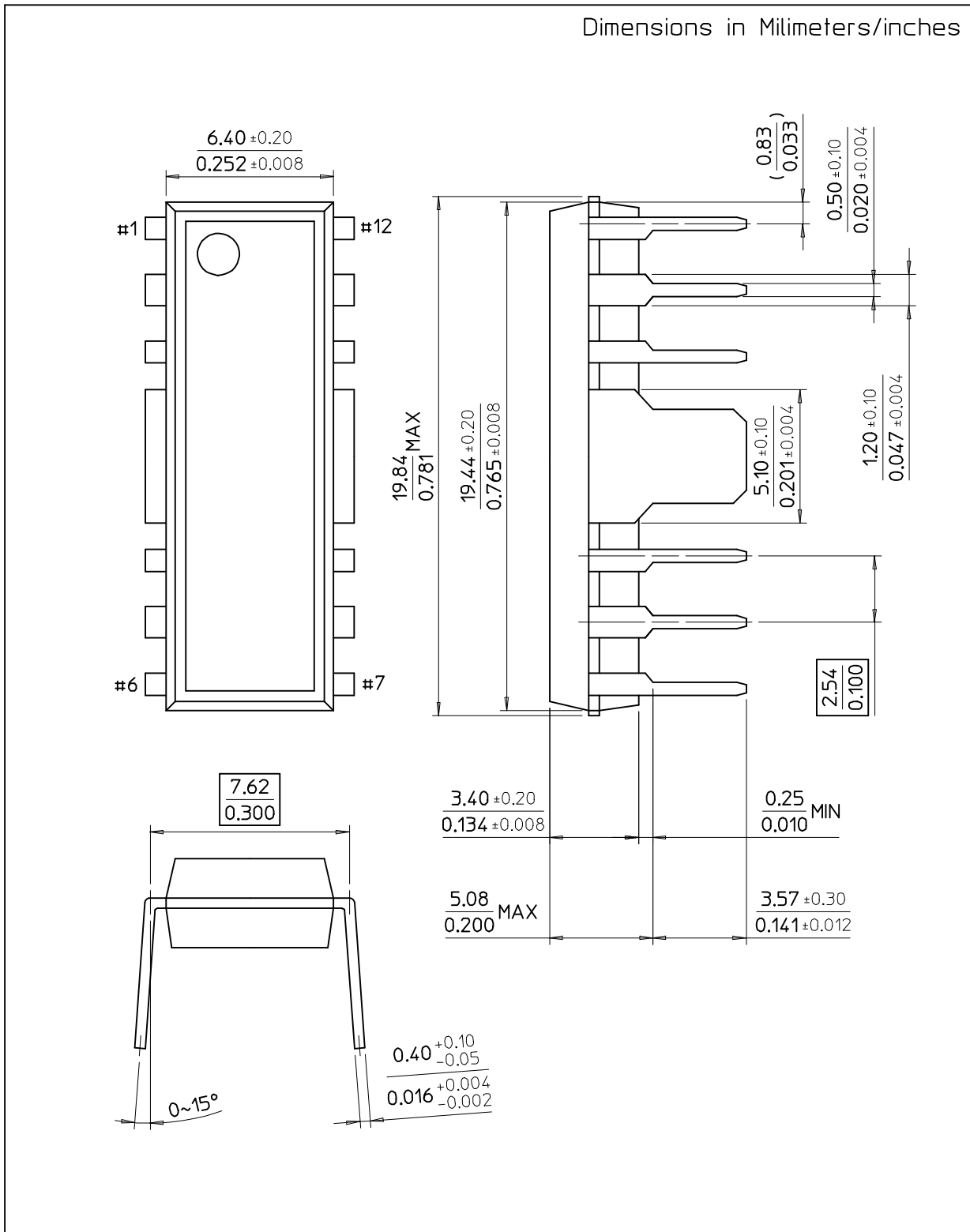
42-DIP-600B

Dimensions in Millimeters/inches

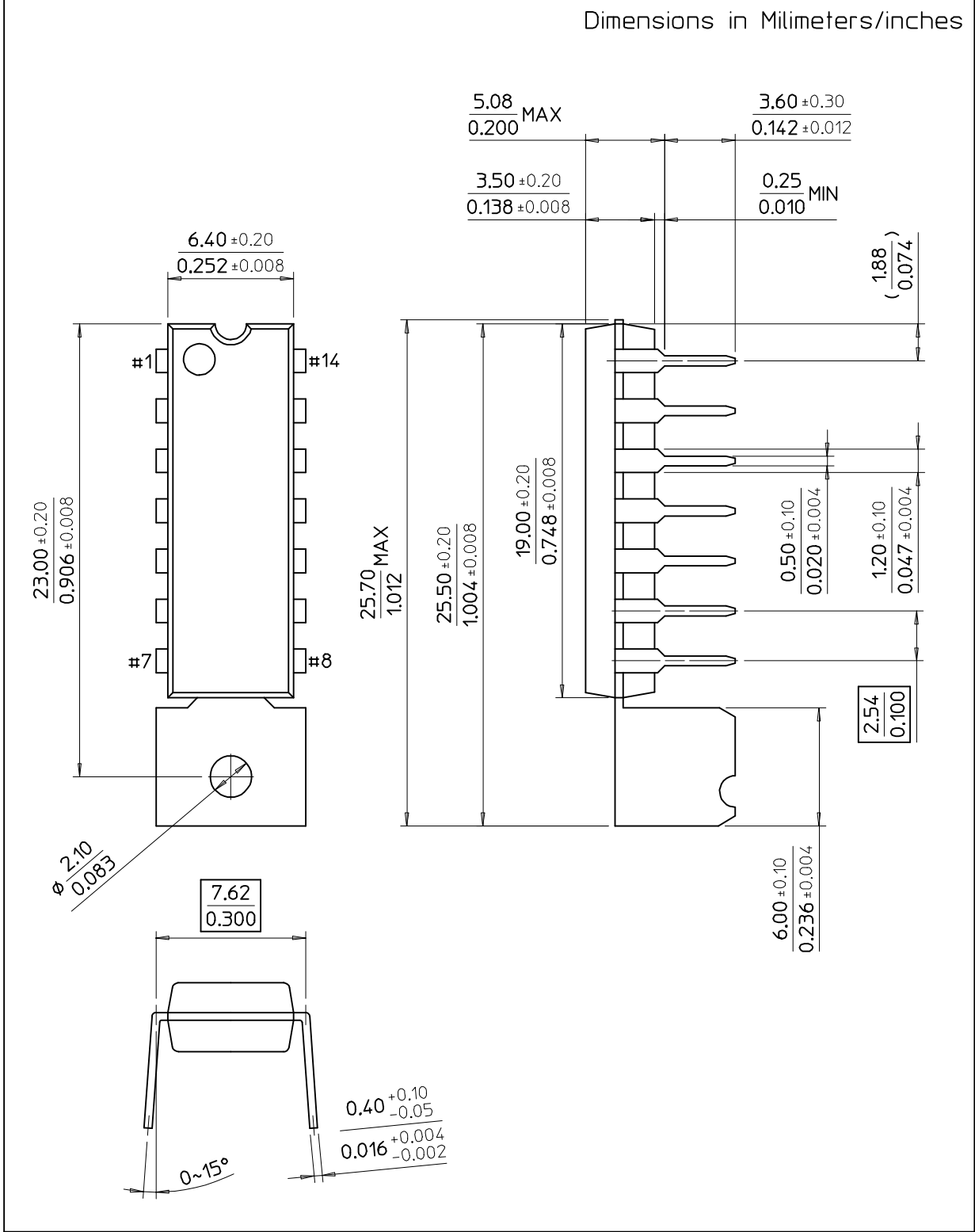


12-DIPH-300

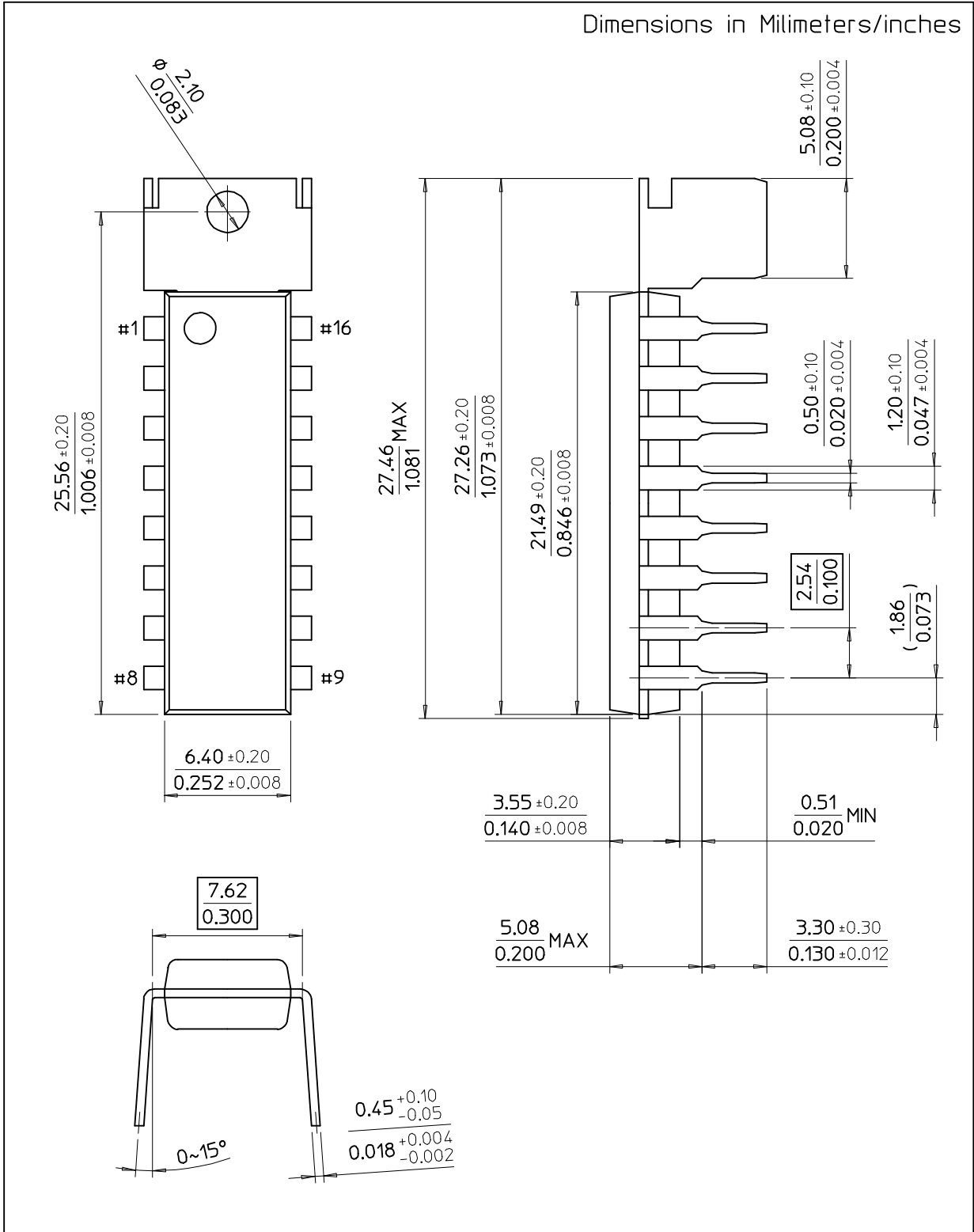
Dimensions in Millimeters/inches



14-DIPH-300

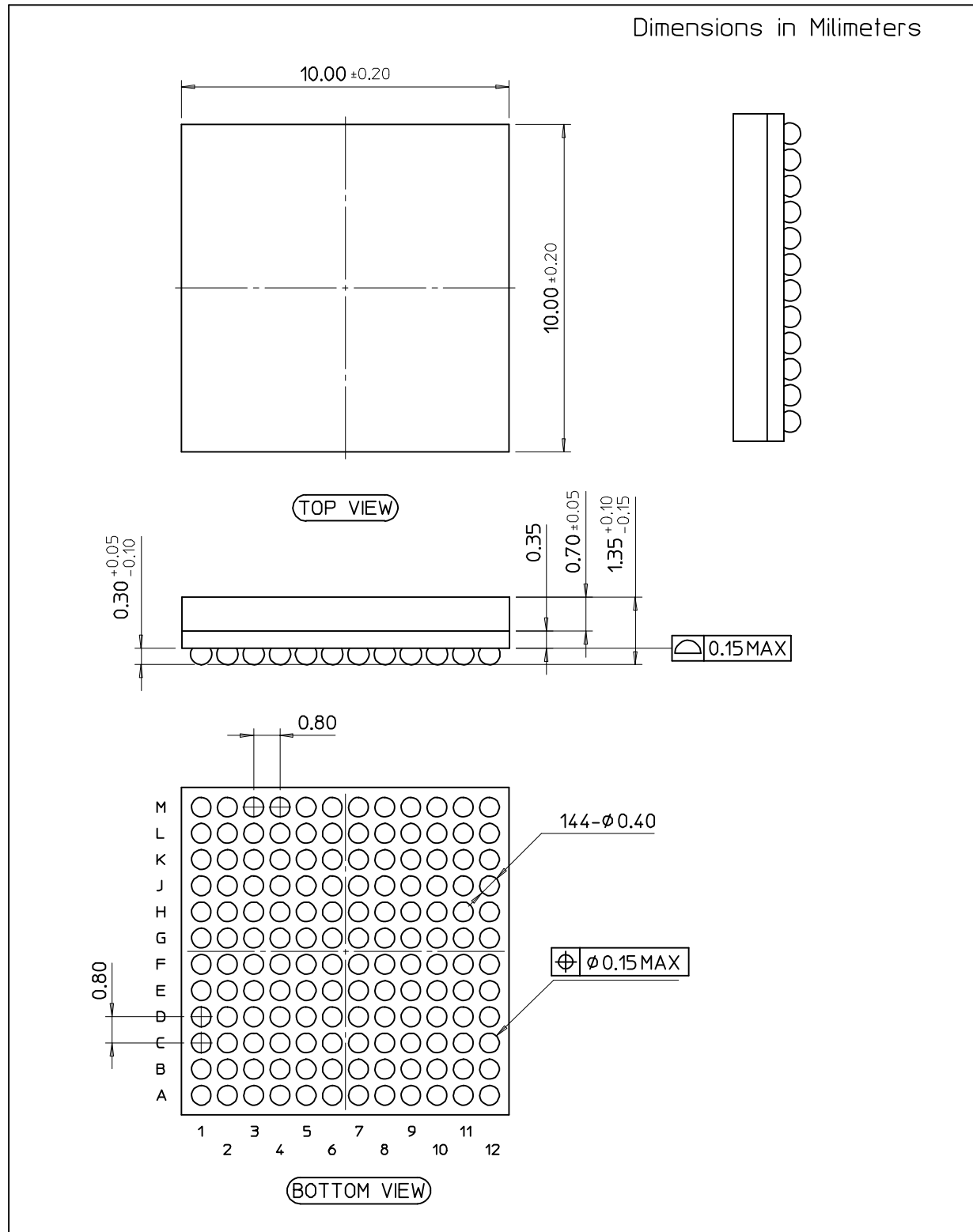


16-DIPH-300



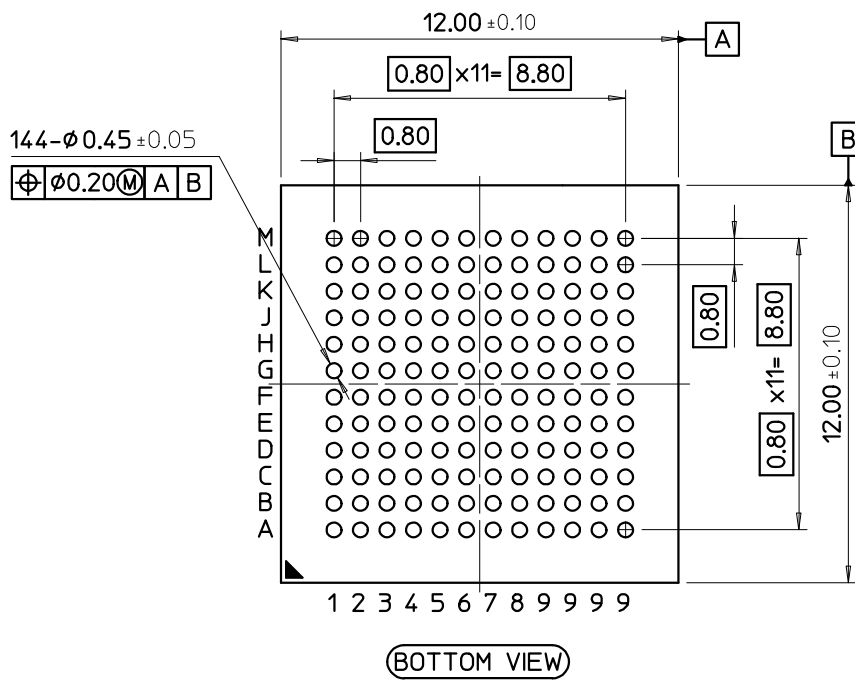
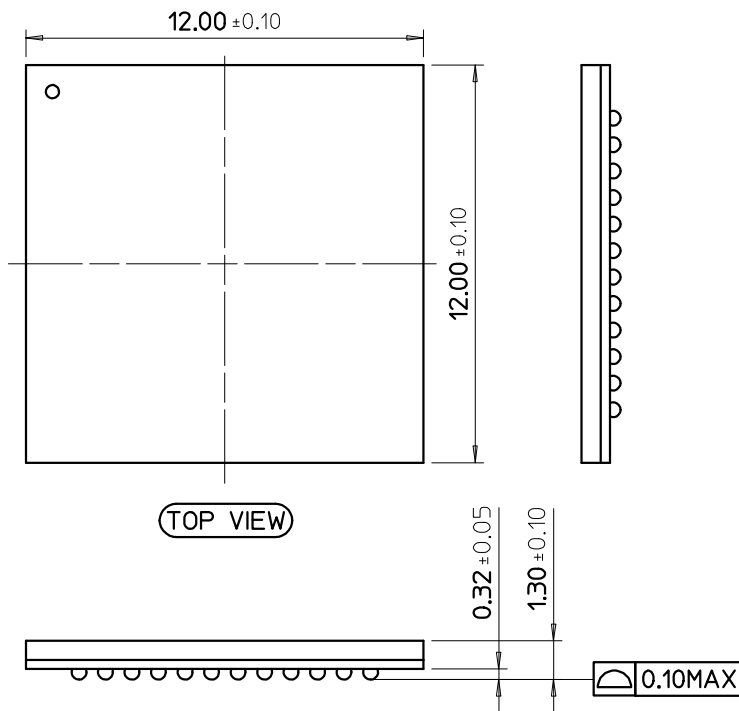
144-FBGA-1010-ASAT

Dimensions in Millimeters



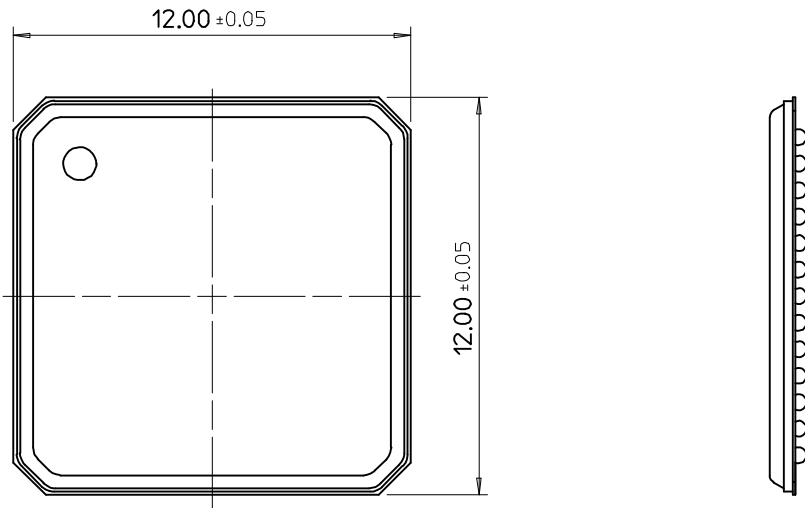
144-FBGA-12.00x12.00

Dimensions in Millimeters

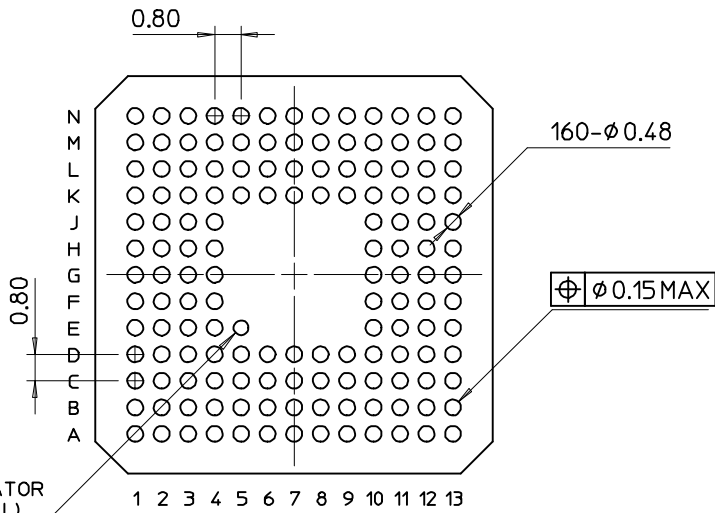
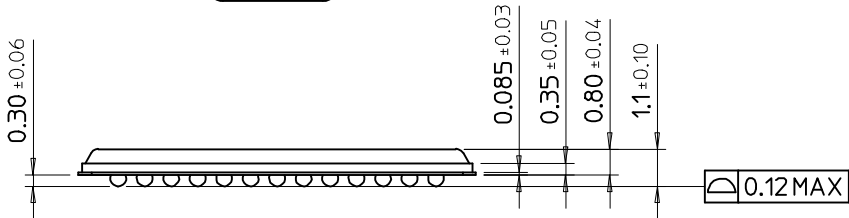


144-FBGA-1212-AN

Dimensions in Millimeters



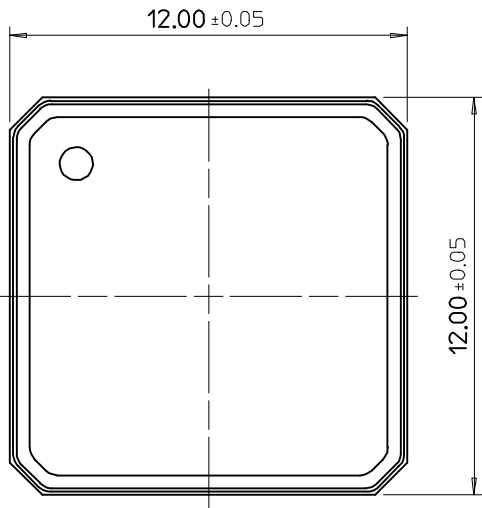
TOP VIEW



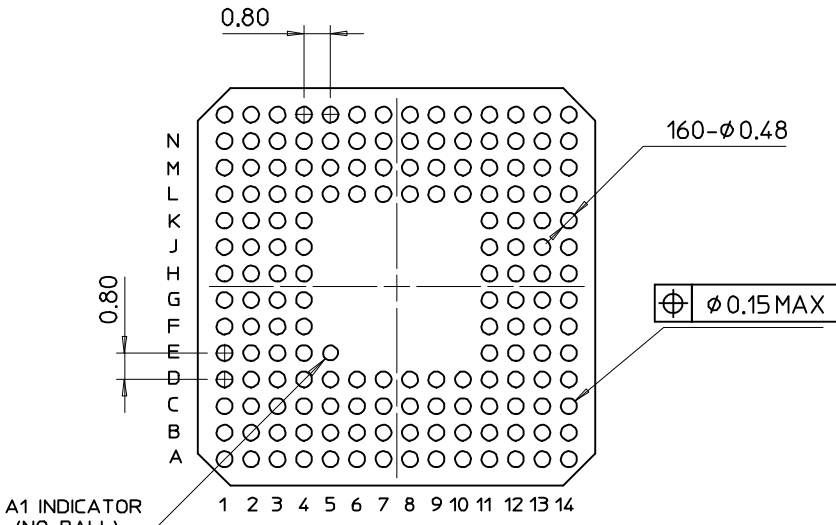
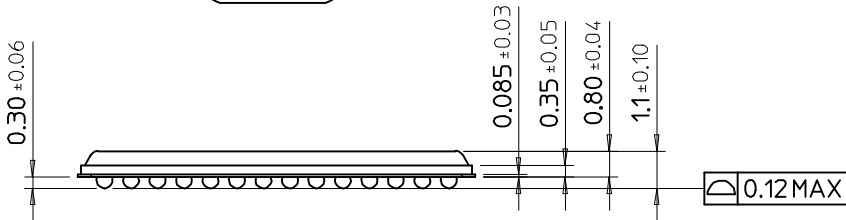
BOTTOM VIEW

160-FBGA-1212-AN

Dimensions in Millimeters

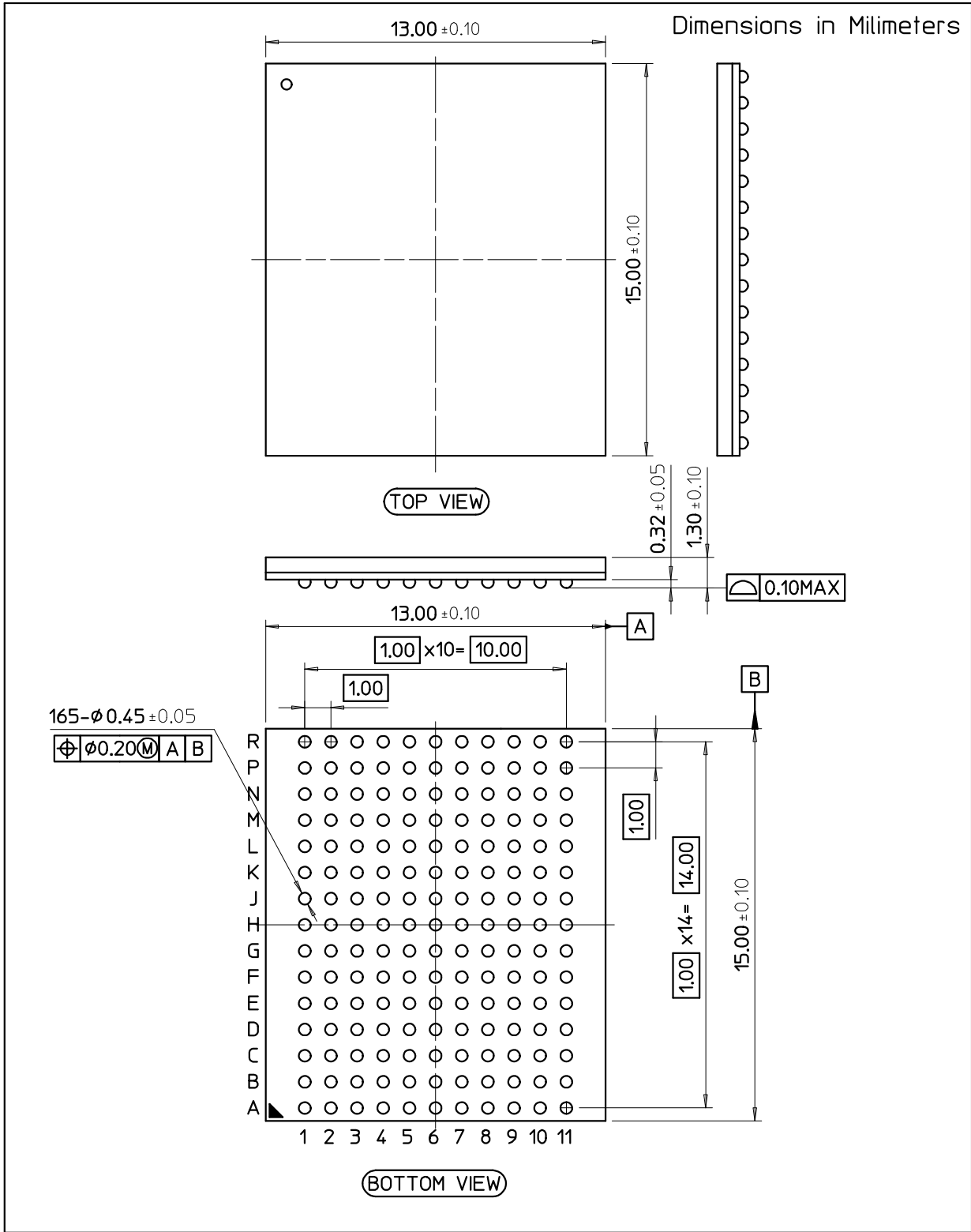


TOP VIEW



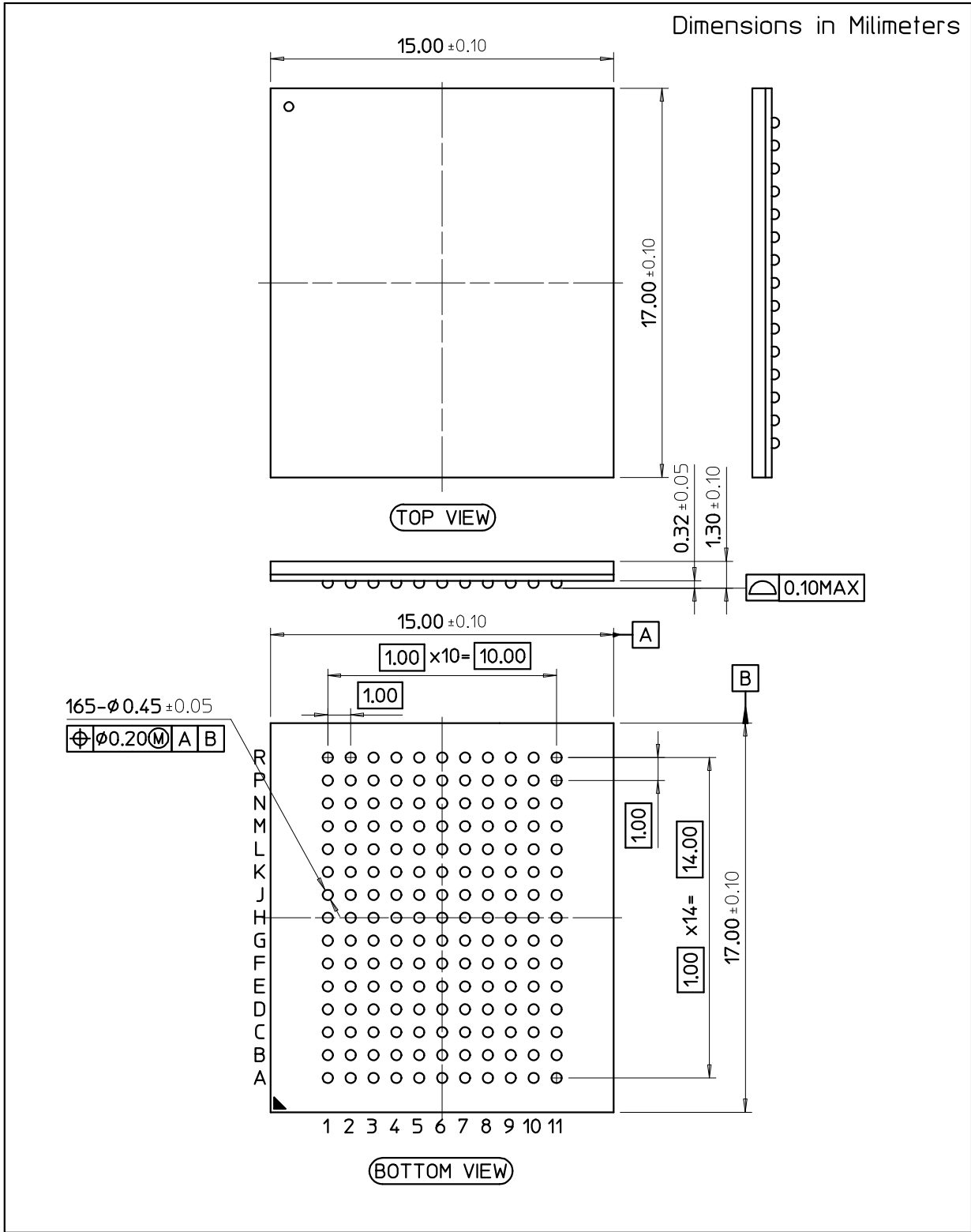
BOTTOM VIEW

165-FBGA-13.00x15.00



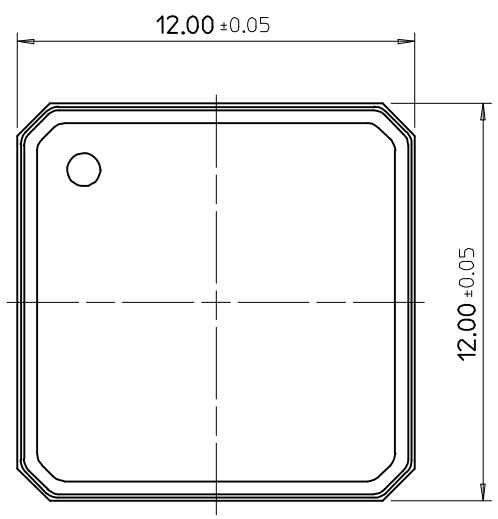
165-FBGA-15.00x17.00

Dimensions in Millimeters

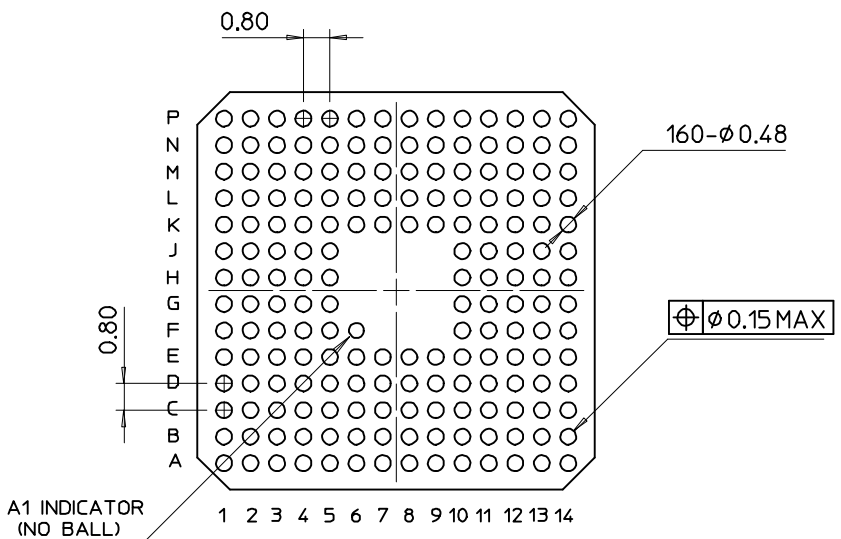
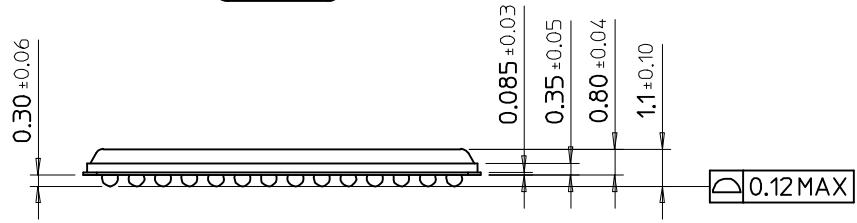
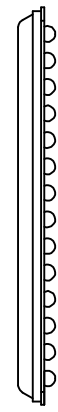


180-FBGA-1212-AN

Dimensions in Millimeters



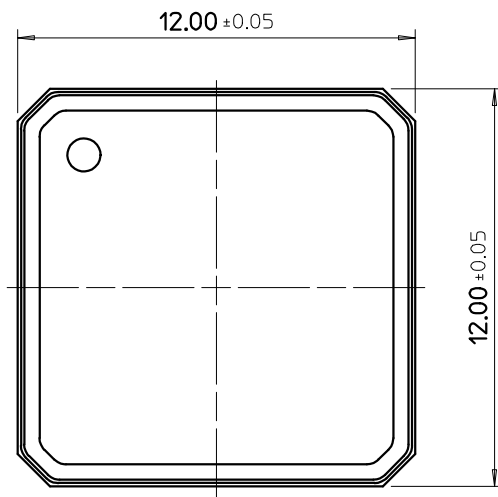
TOP VIEW



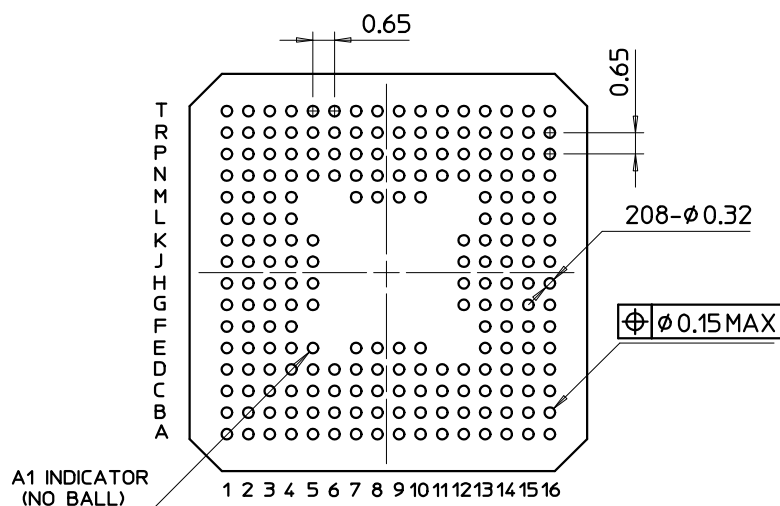
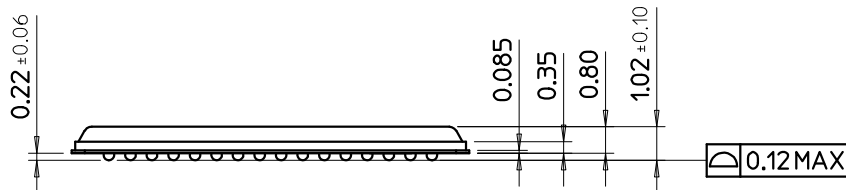
BOTTOM VIEW

208-FBGA-1212-AN

Dimensions in Millimeters
(TAPE BASE)



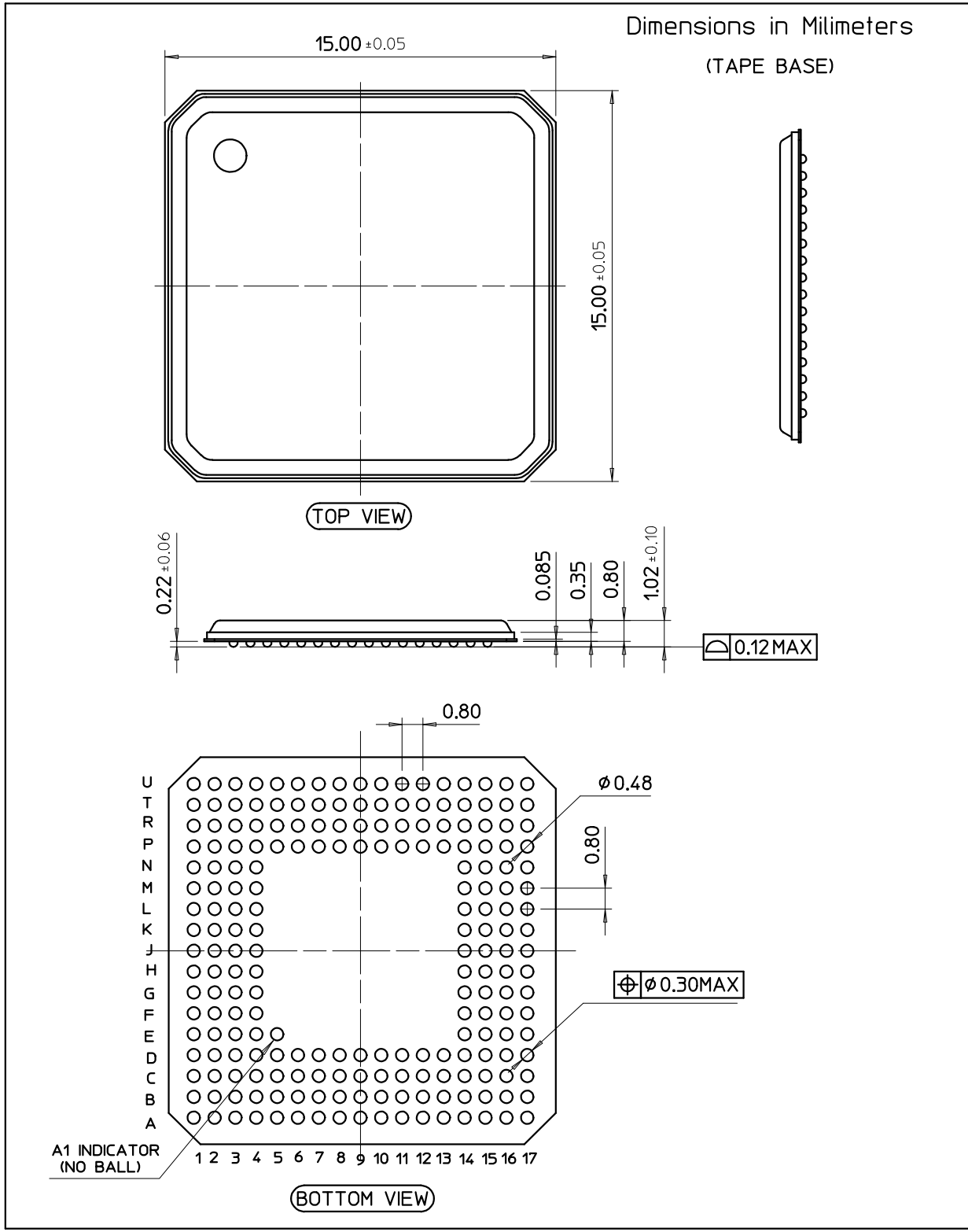
TOP VIEW



BOTTOM VIEW

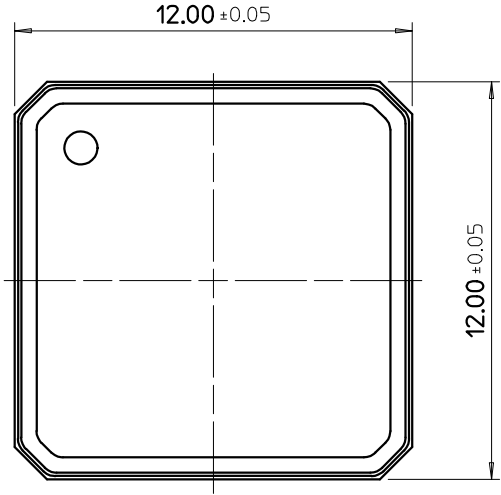
A1 INDICATOR
(NO BALL)

208-FBGA-1515-AN

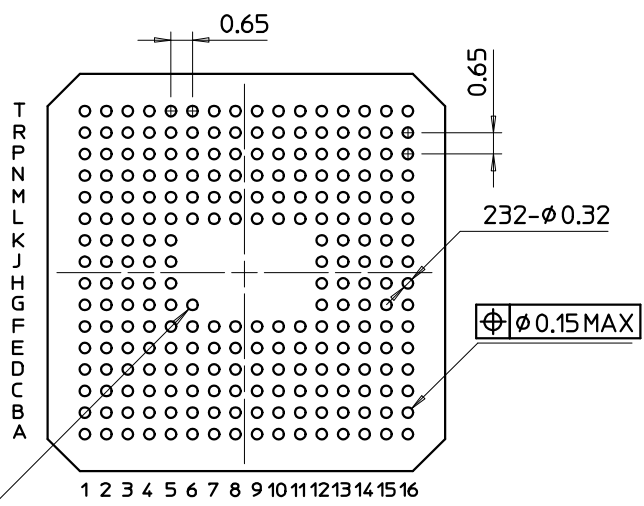
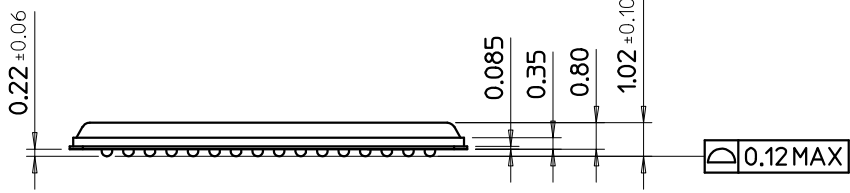


232-FBGA-1212-AN

Dimensions in Millimeters
(TAPE BASE)



TOP VIEW

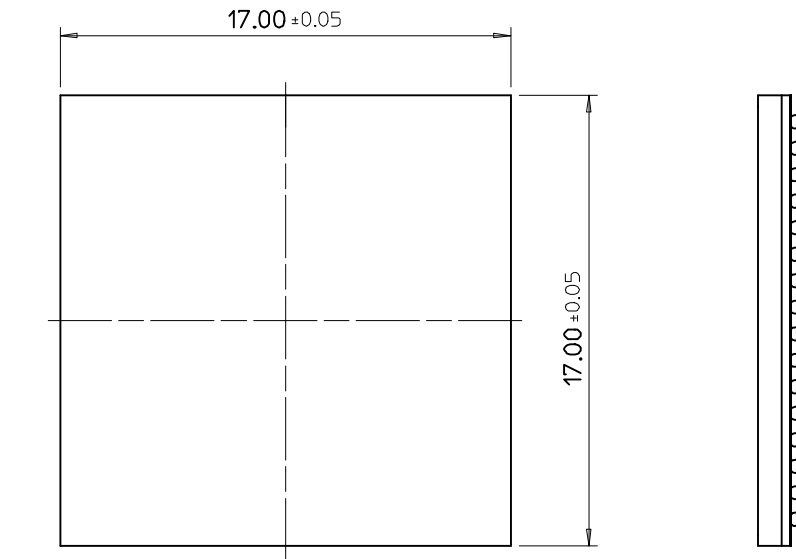


A1 INDICATOR
(NO BALL)

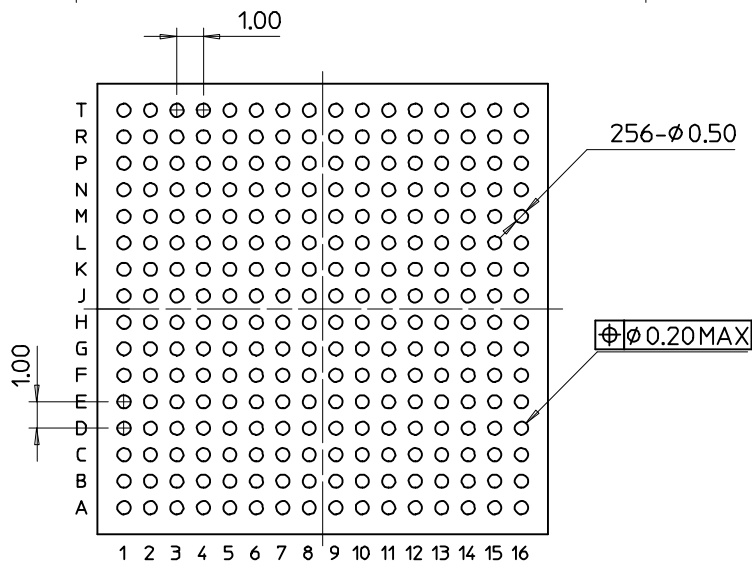
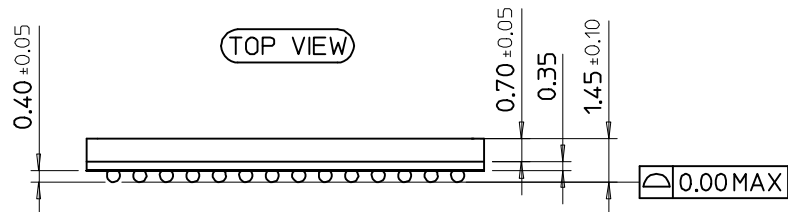
BOTTOM VIEW

256-FBGA-1717-ASAT

Dimensions in Millimeters



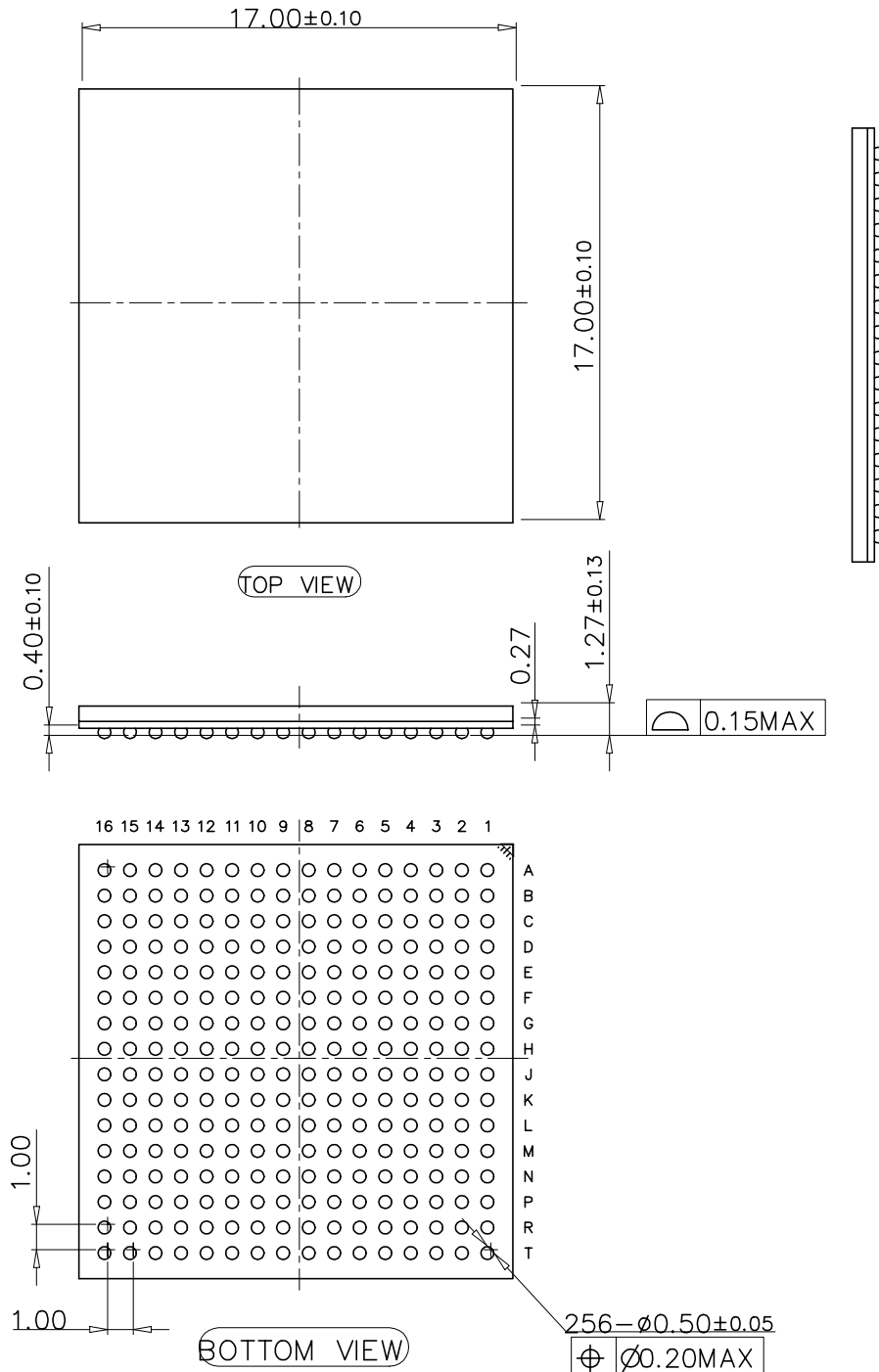
TOP VIEW



BOTTOM VIEW

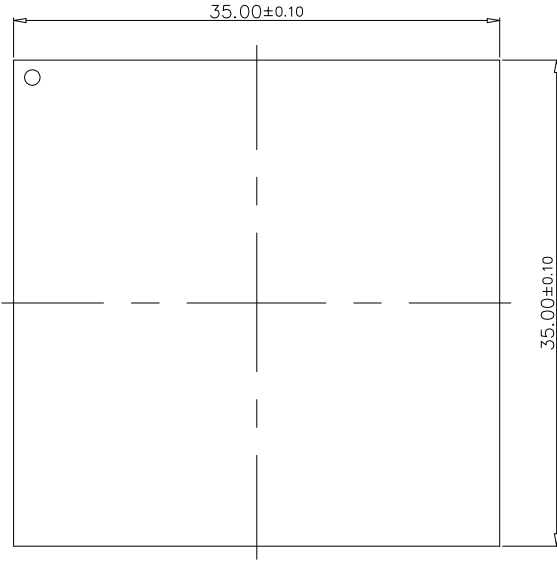
256-FBGA-1717

Dimensions in Millimeters

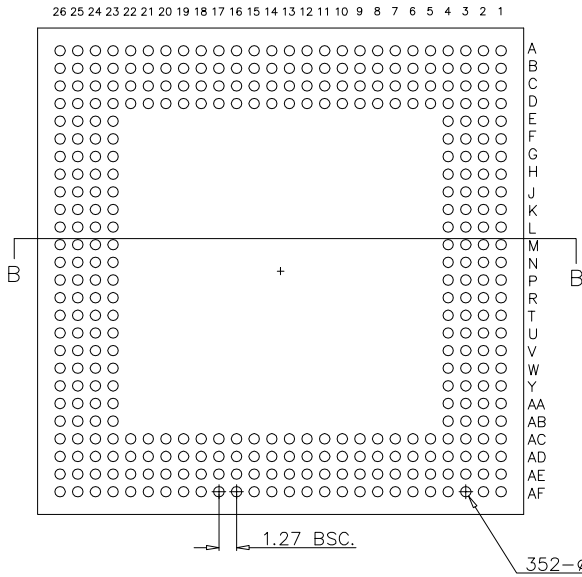
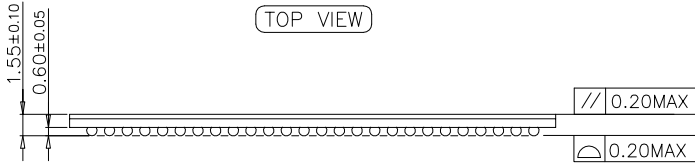
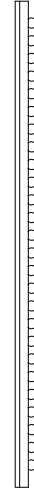


352-HBGA-3535

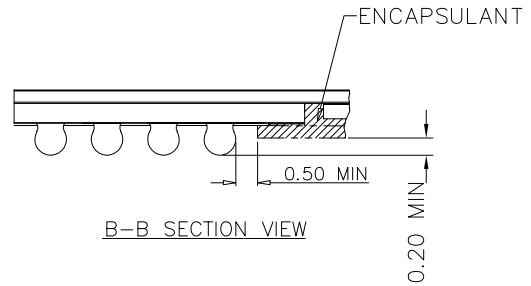
Dimensions in Millimeters



TOP VIEW



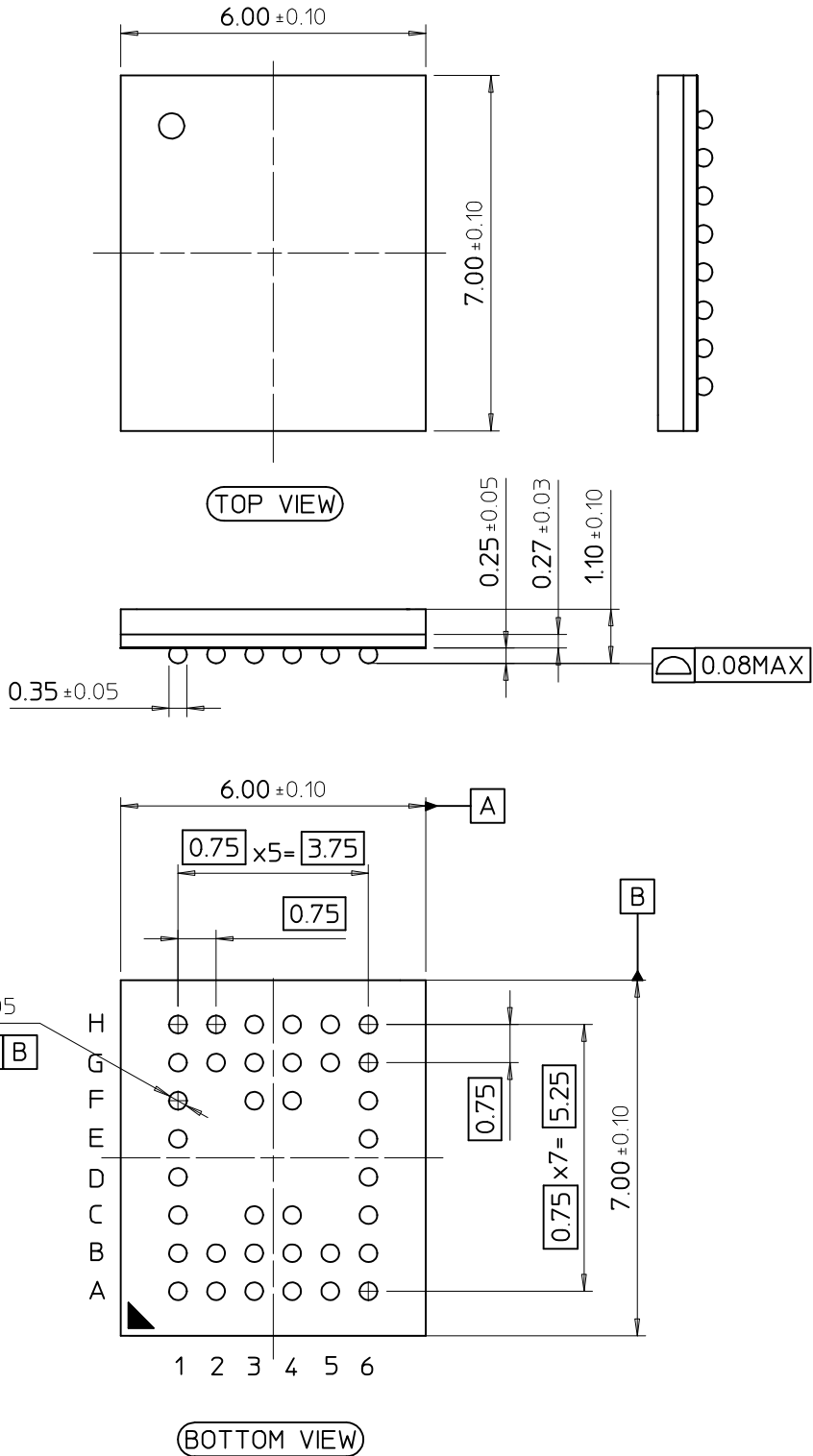
BOTTOM VIEW



B-B SECTION VIEW

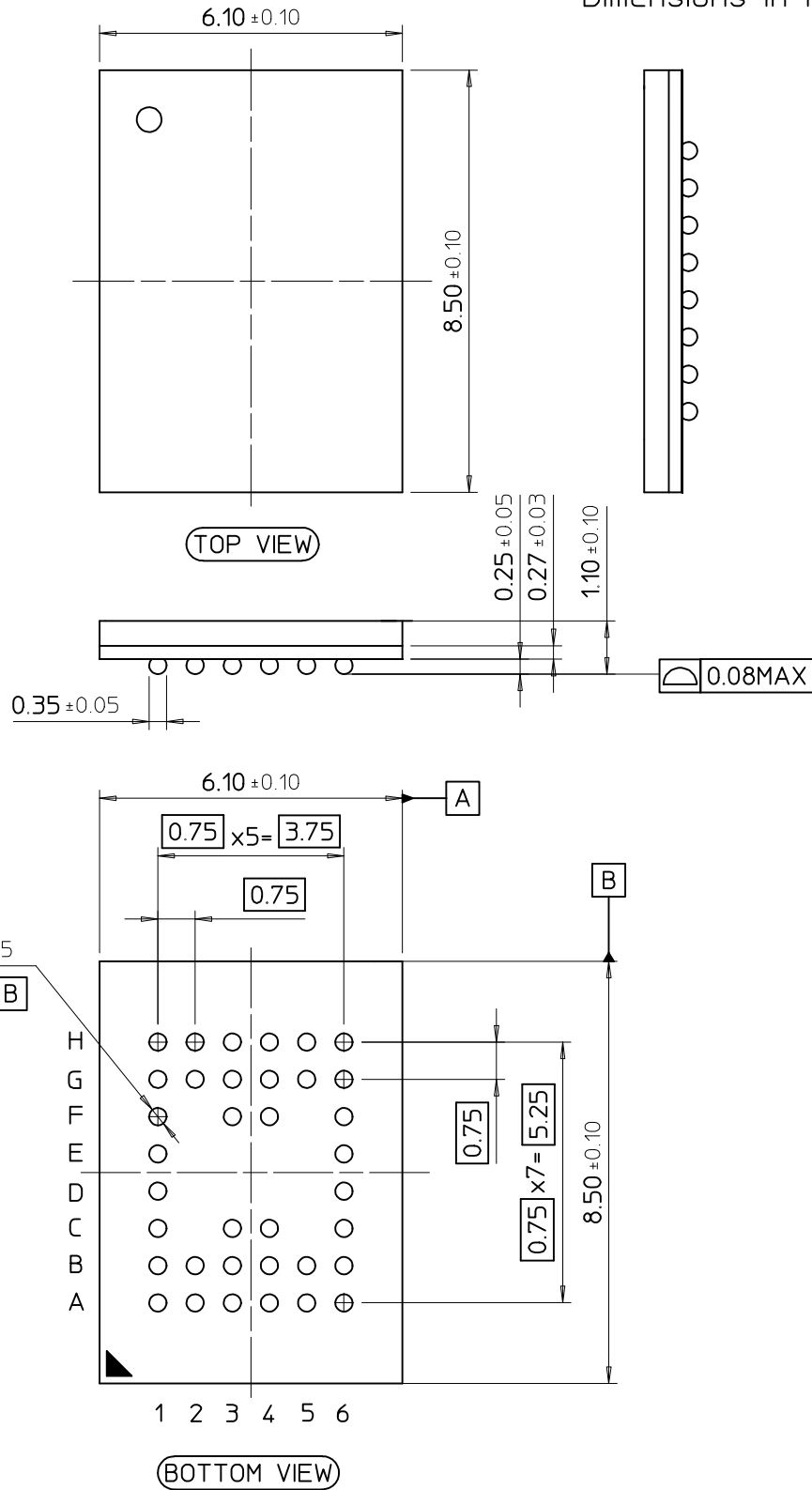
48(36)-FBGA-6.00x7.00

Dimensions in Millimeters



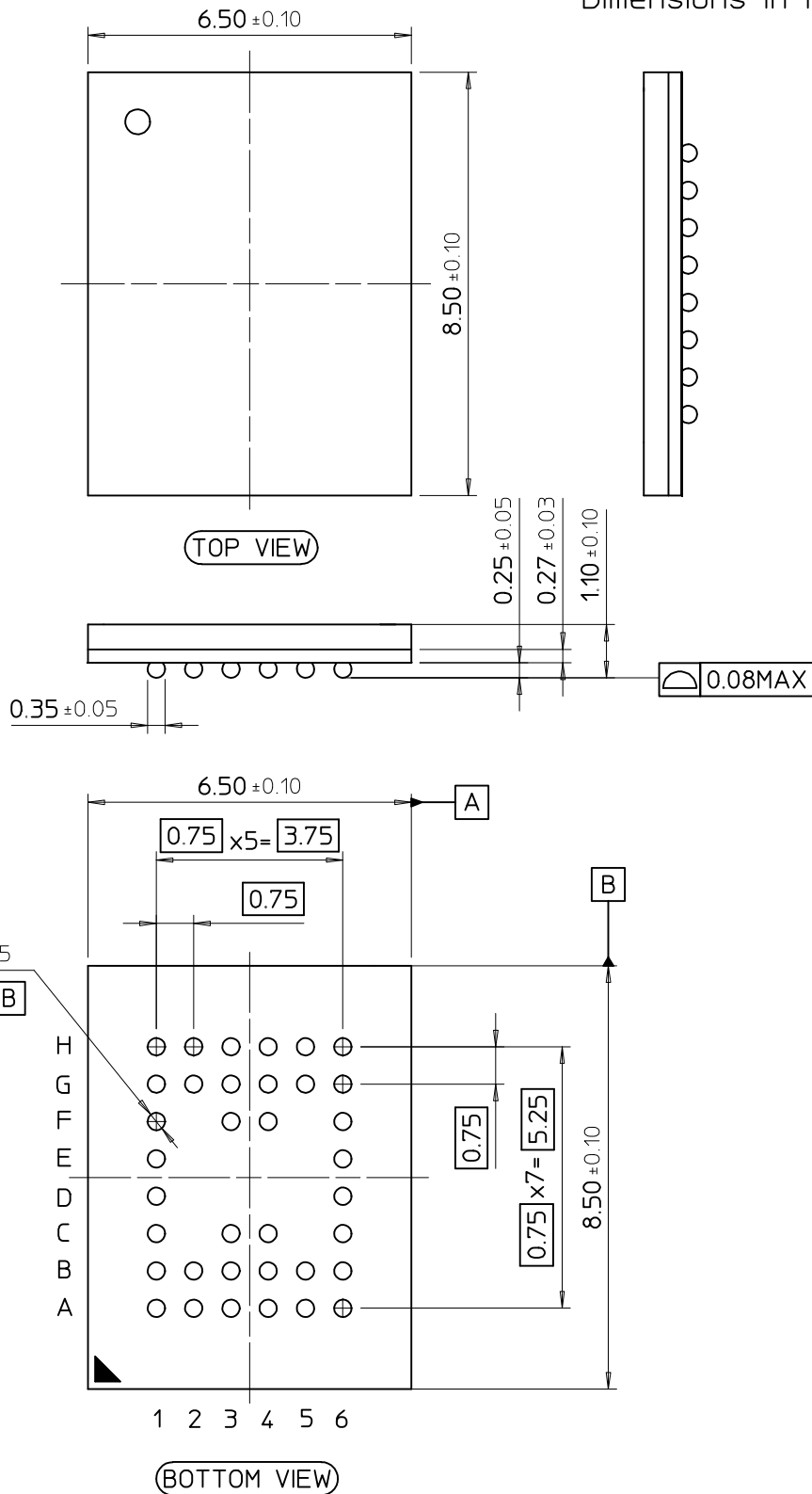
48(36)-FBGA-6.10x8.50

Dimensions in Millimeters



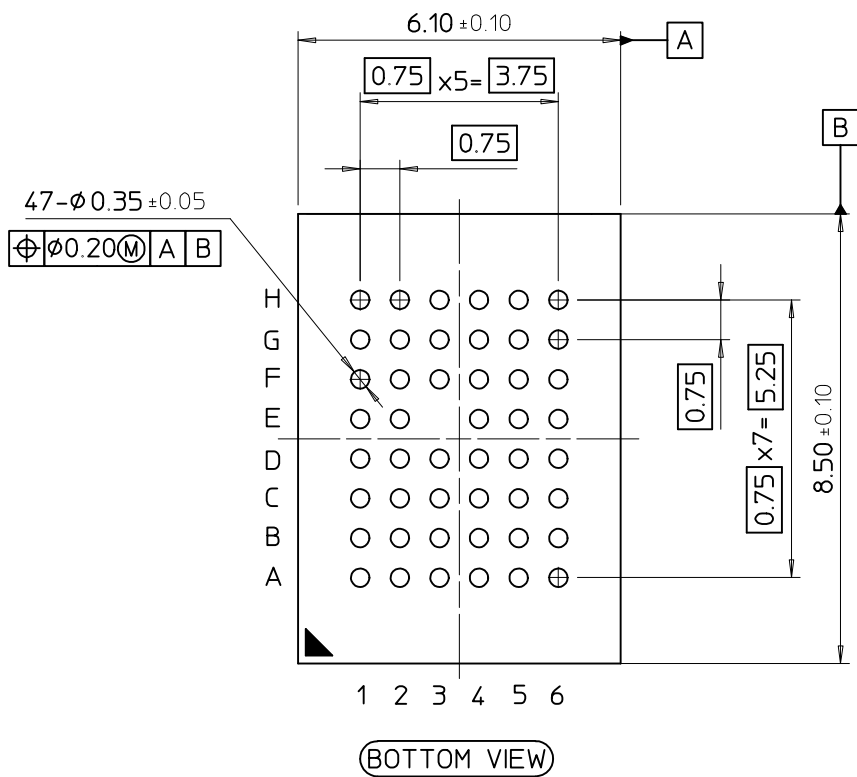
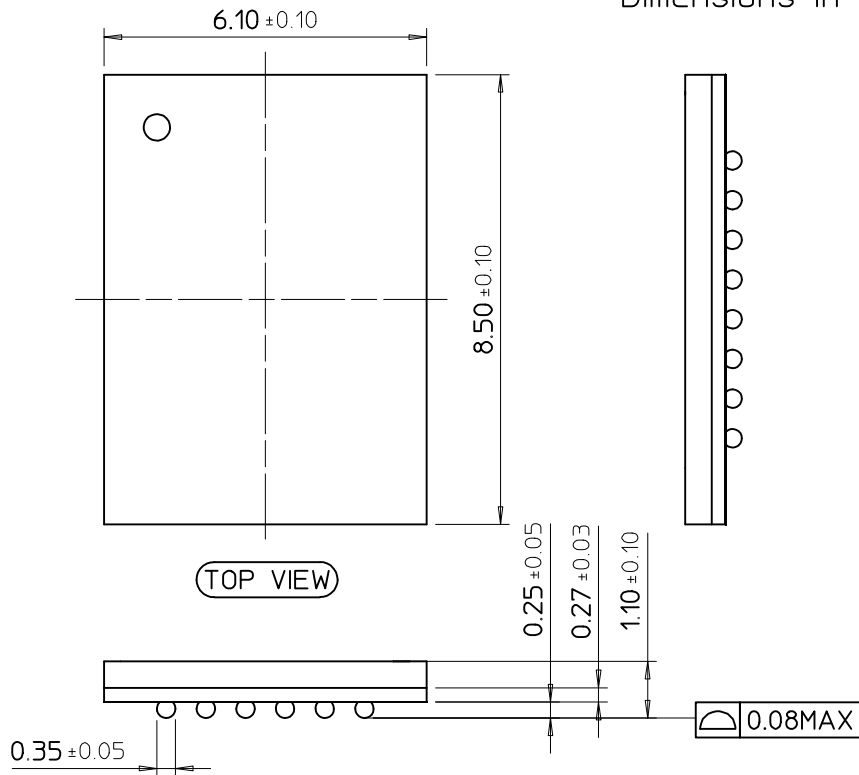
48(36)-FBGA-6.50x8.50

Dimensions in Millimeters



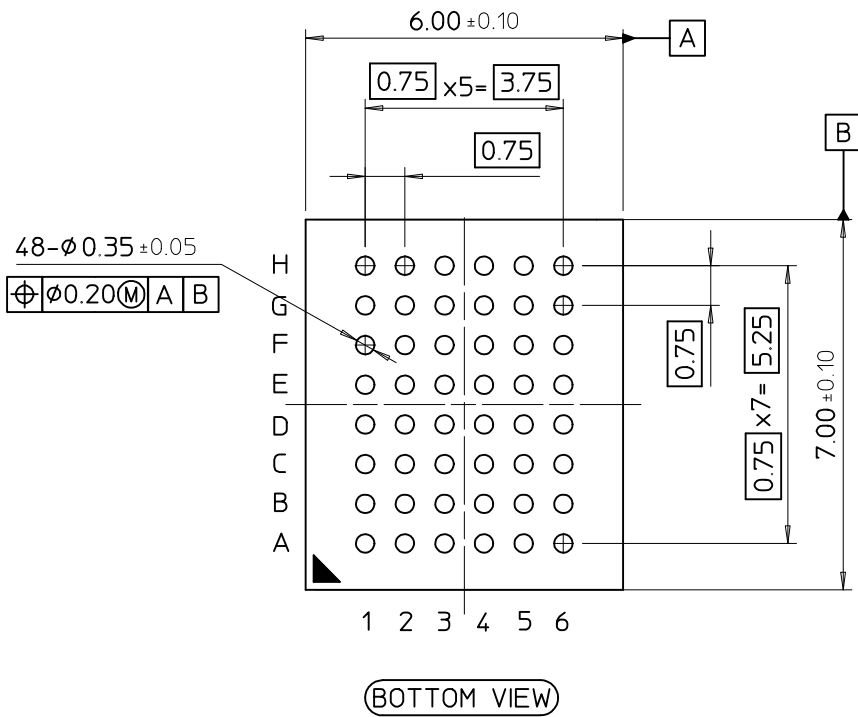
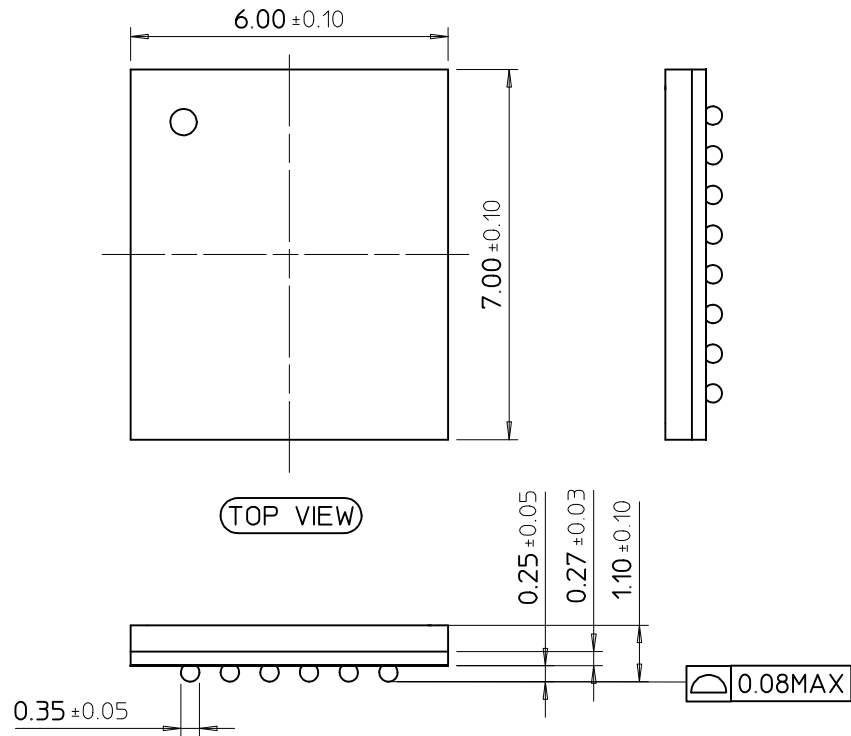
48(47)-FBGA-6.10x8.50

Dimensions in Millimeters



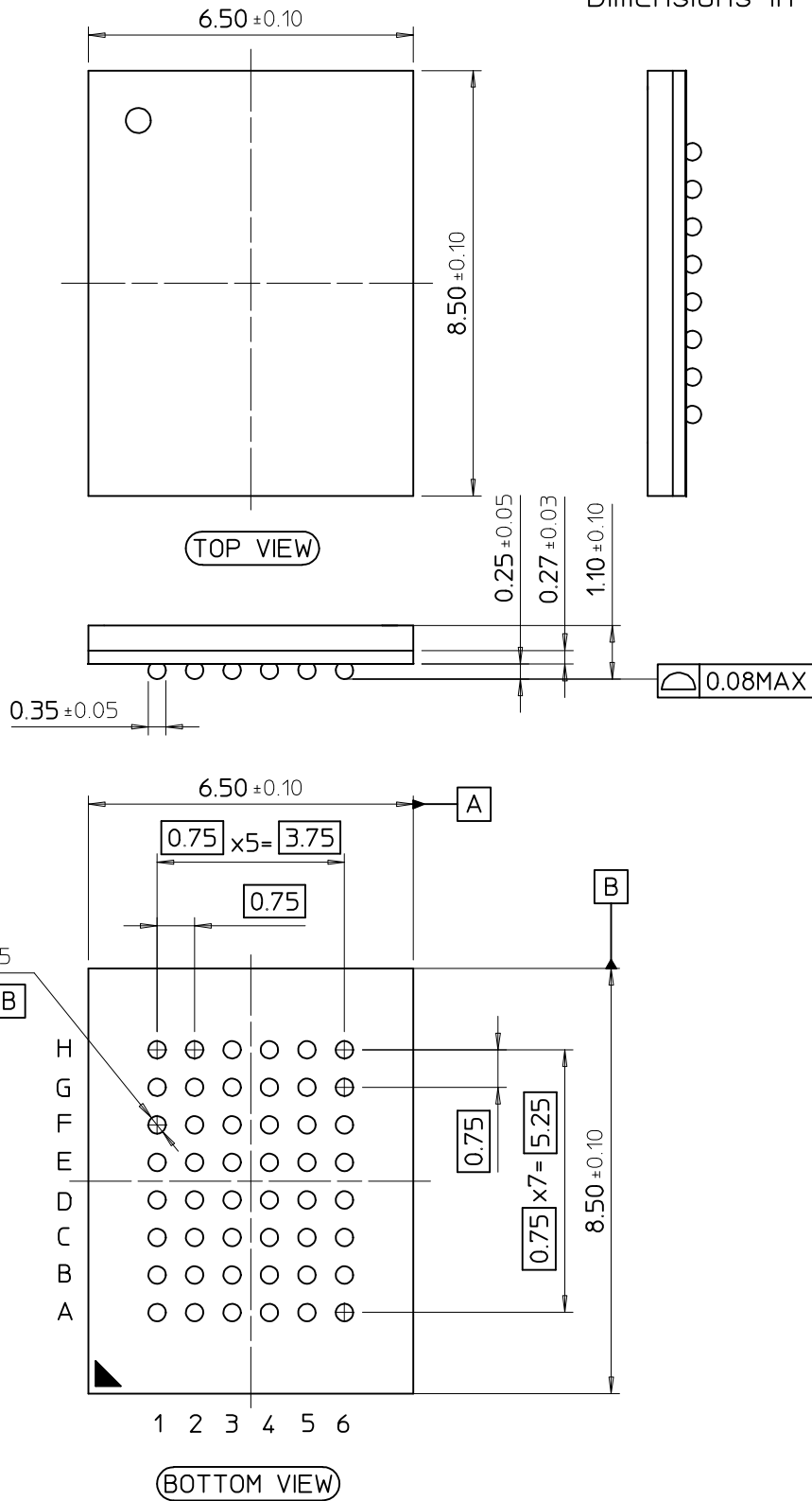
48-FBGA-6.00x7.00

Dimensions in Millimeters



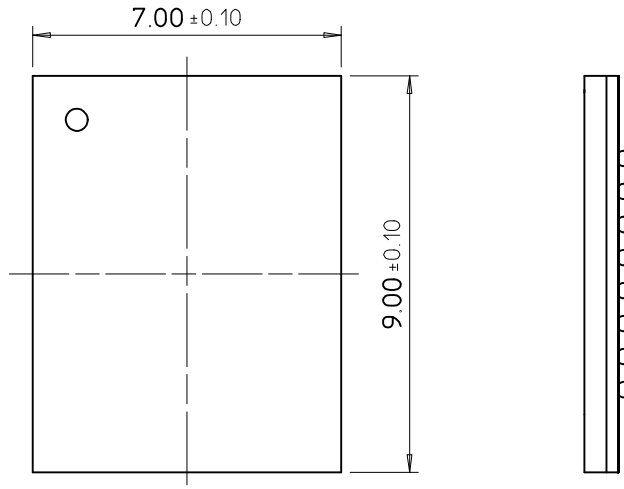
48-FBGA-6.50x8.50

Dimensions in Millimeters

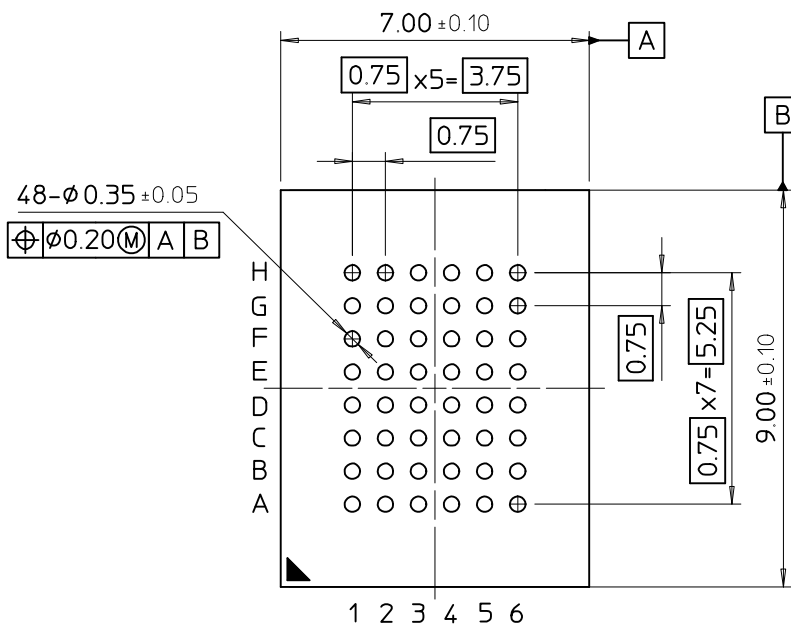
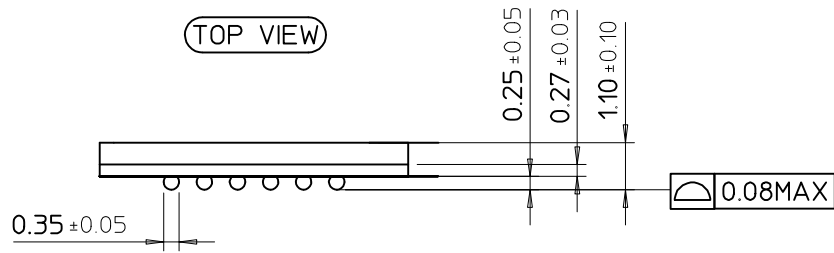


48-FBGA-7.00x9.00

Dimensions in Millimeters



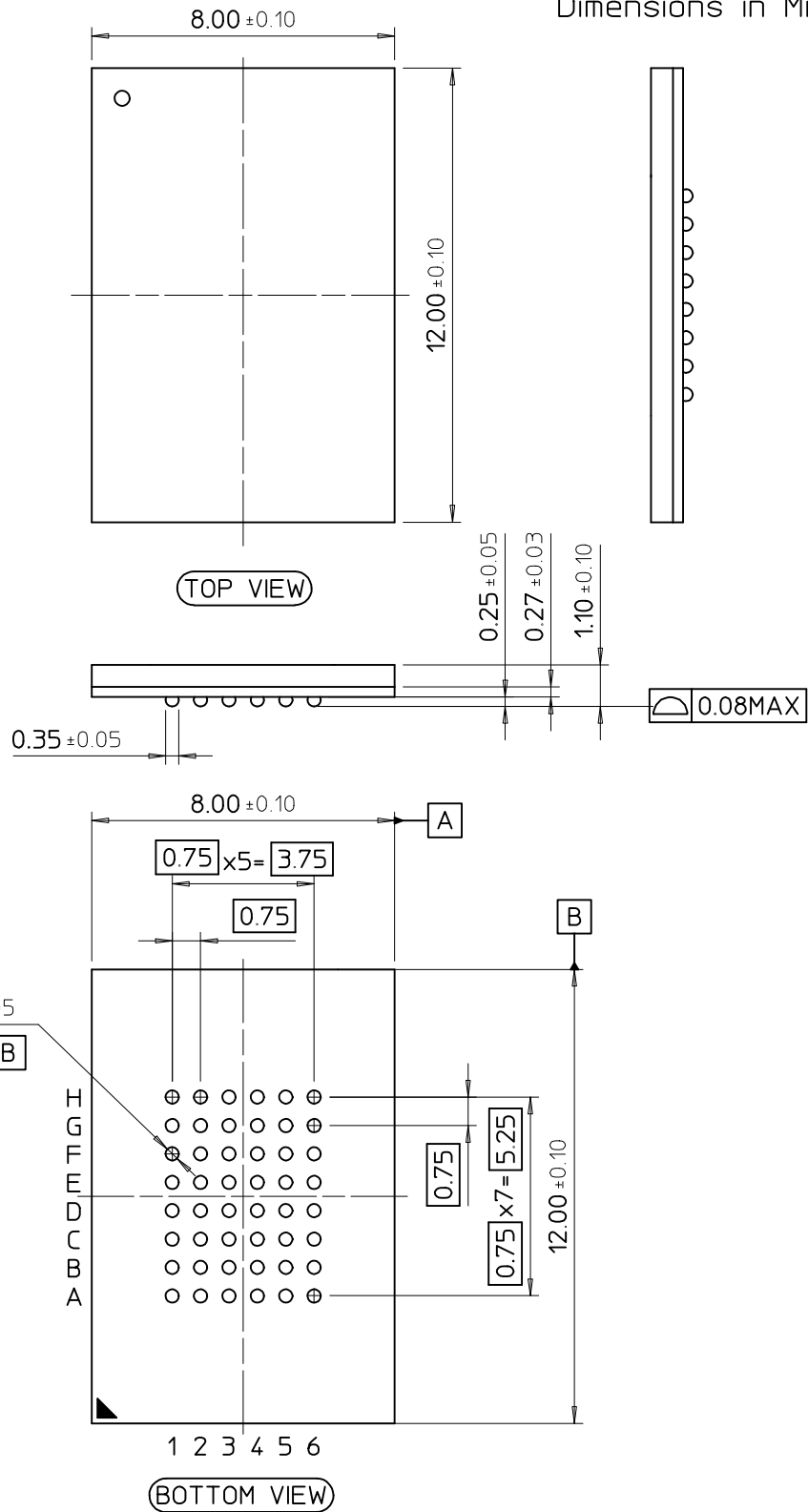
TOP VIEW



BOTTOM VIEW

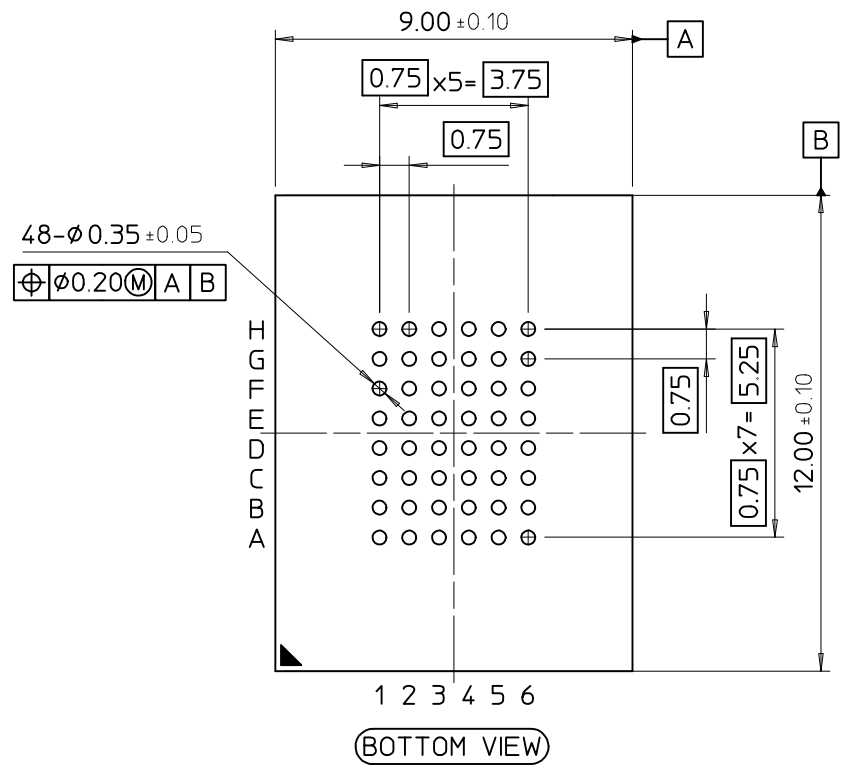
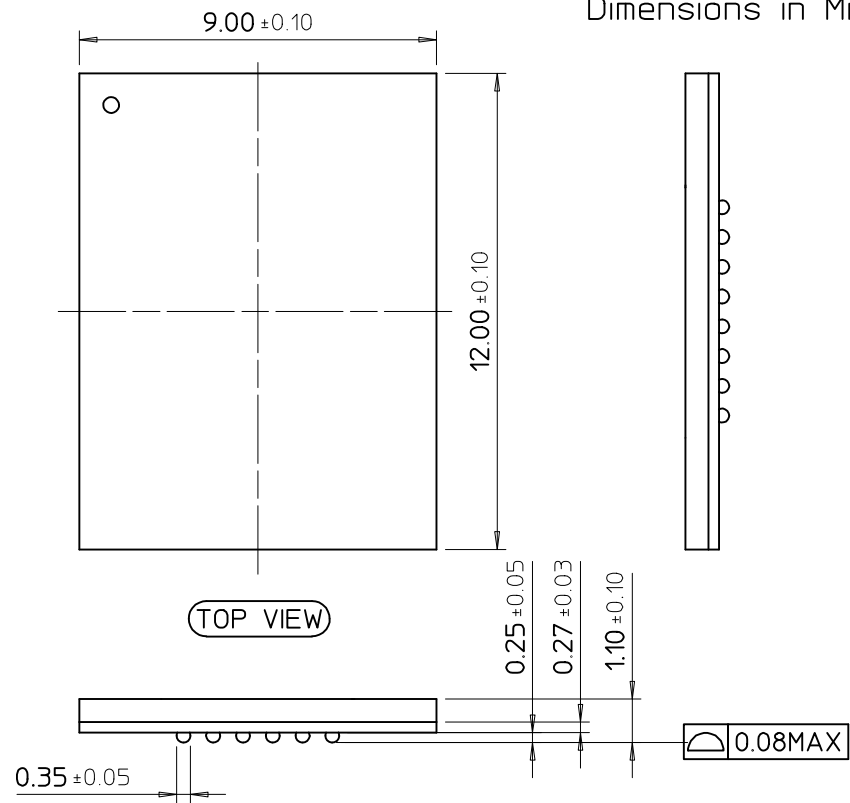
48-FBGA-8.00x12.00

Dimensions in Millimeters



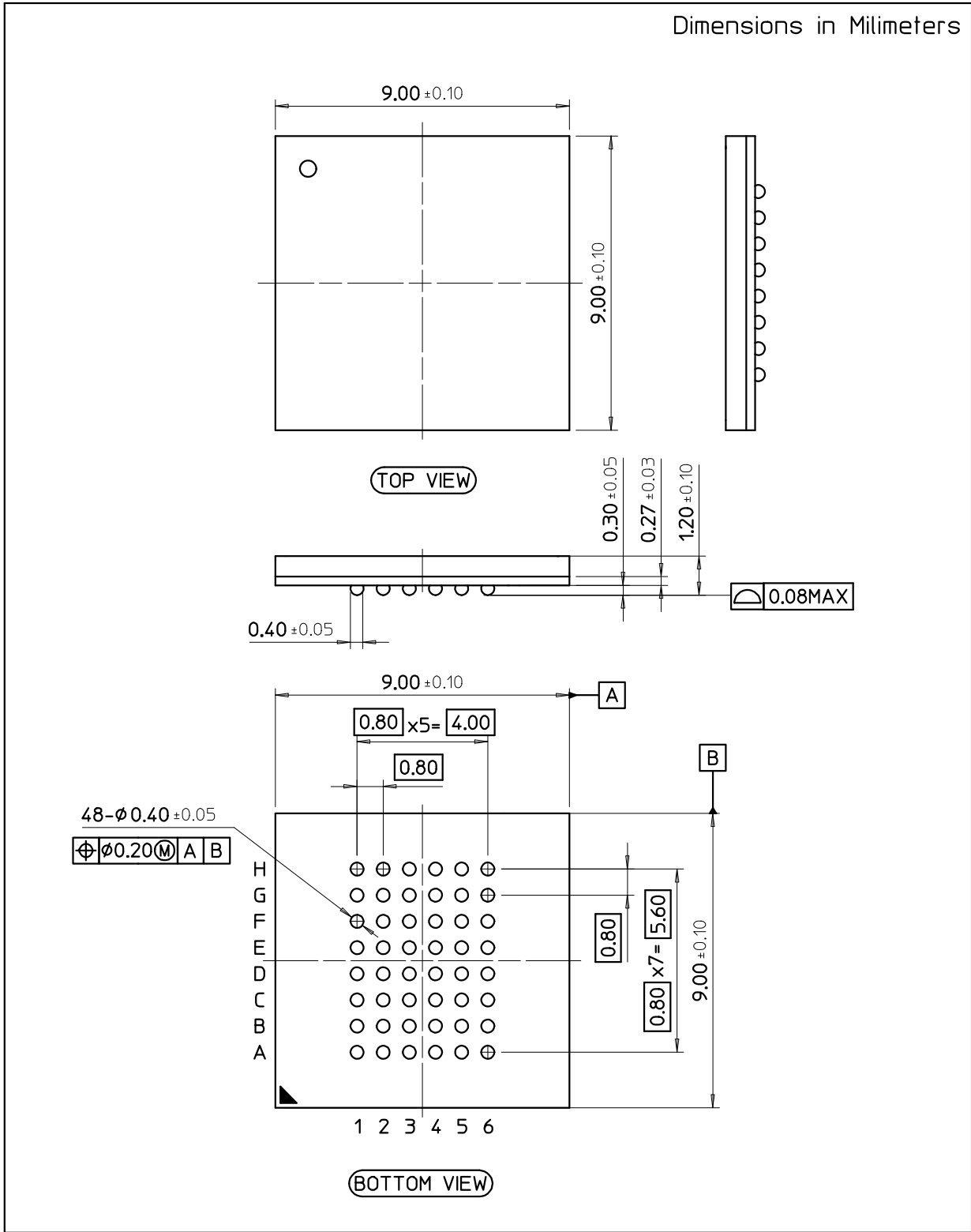
48-FBGA-9.00x12.00

Dimensions in Millimeters



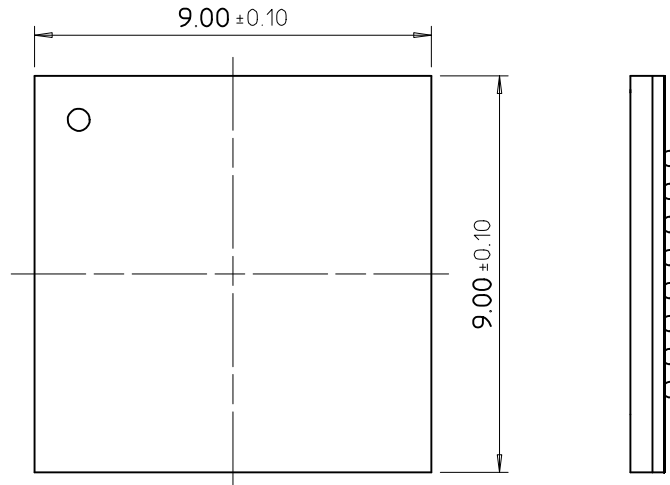
48-FBGA-9.00x9.00

Dimensions in Millimeters

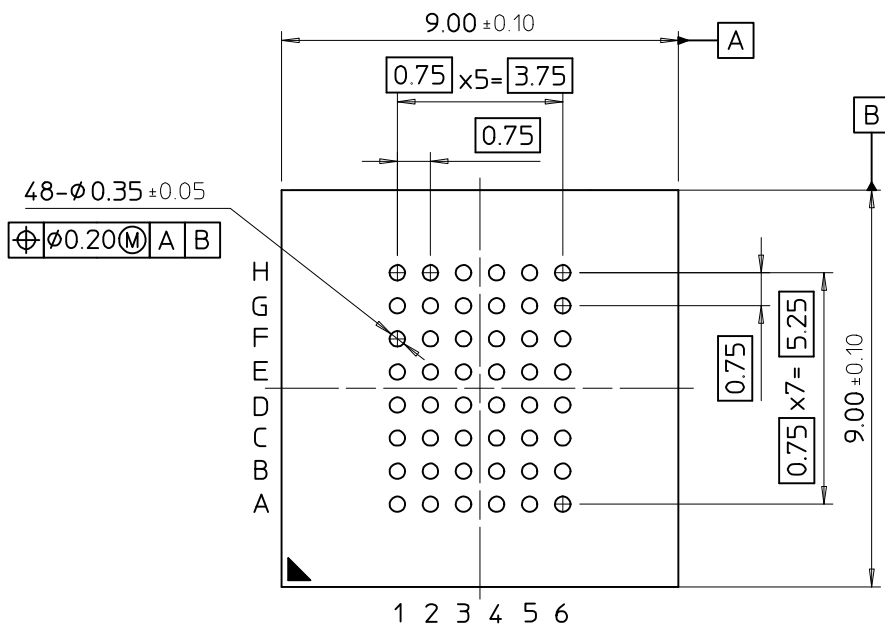
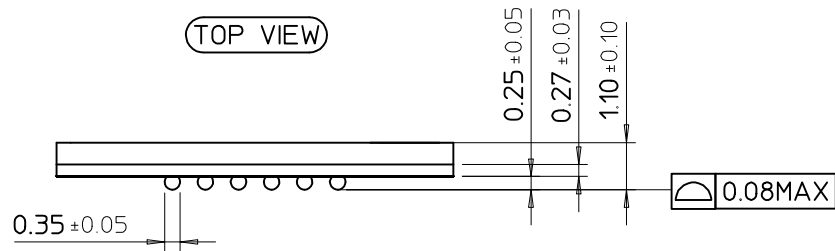


48-FBGA-9.00x9.00A

Dimensions in Millimeters

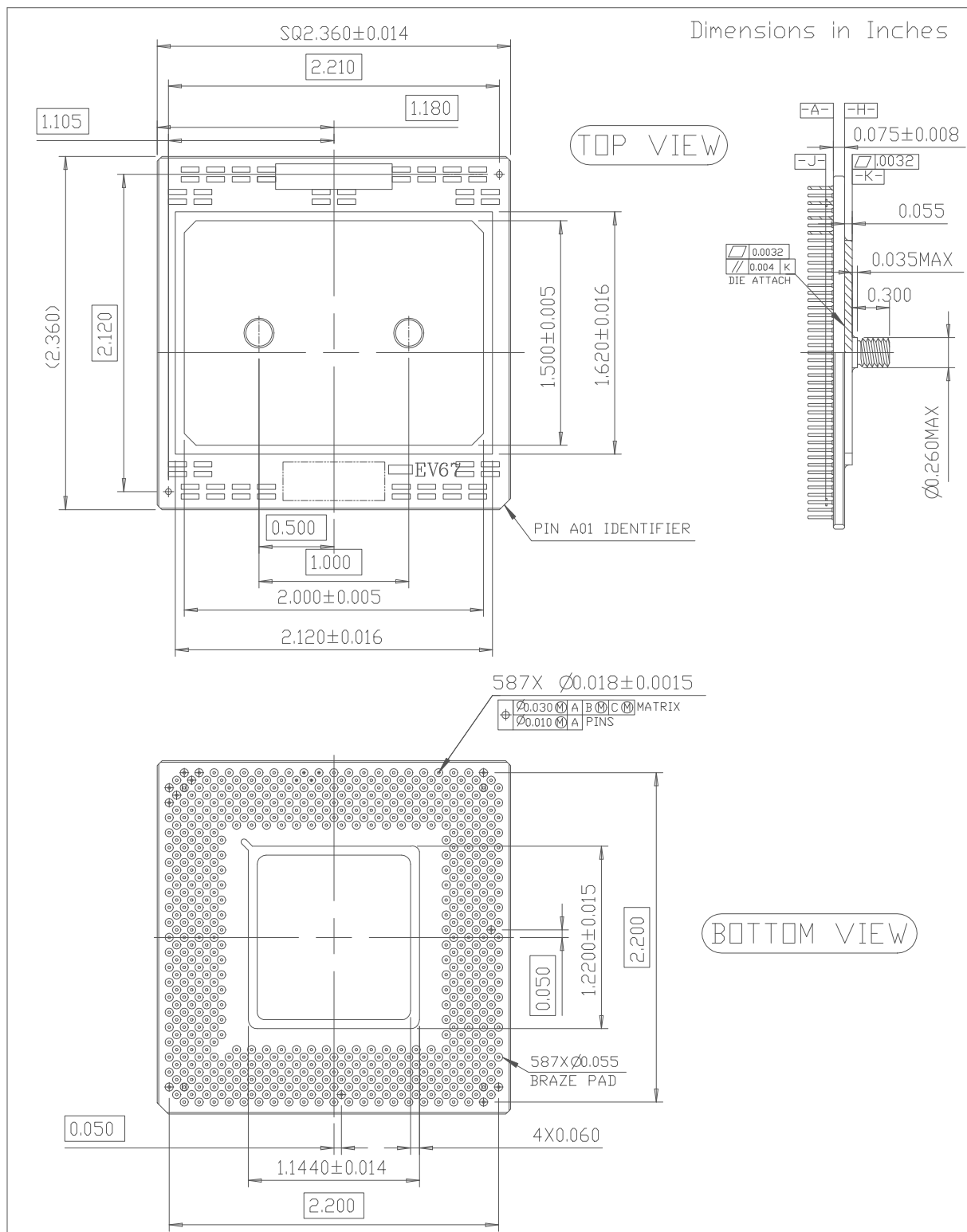


TOP VIEW



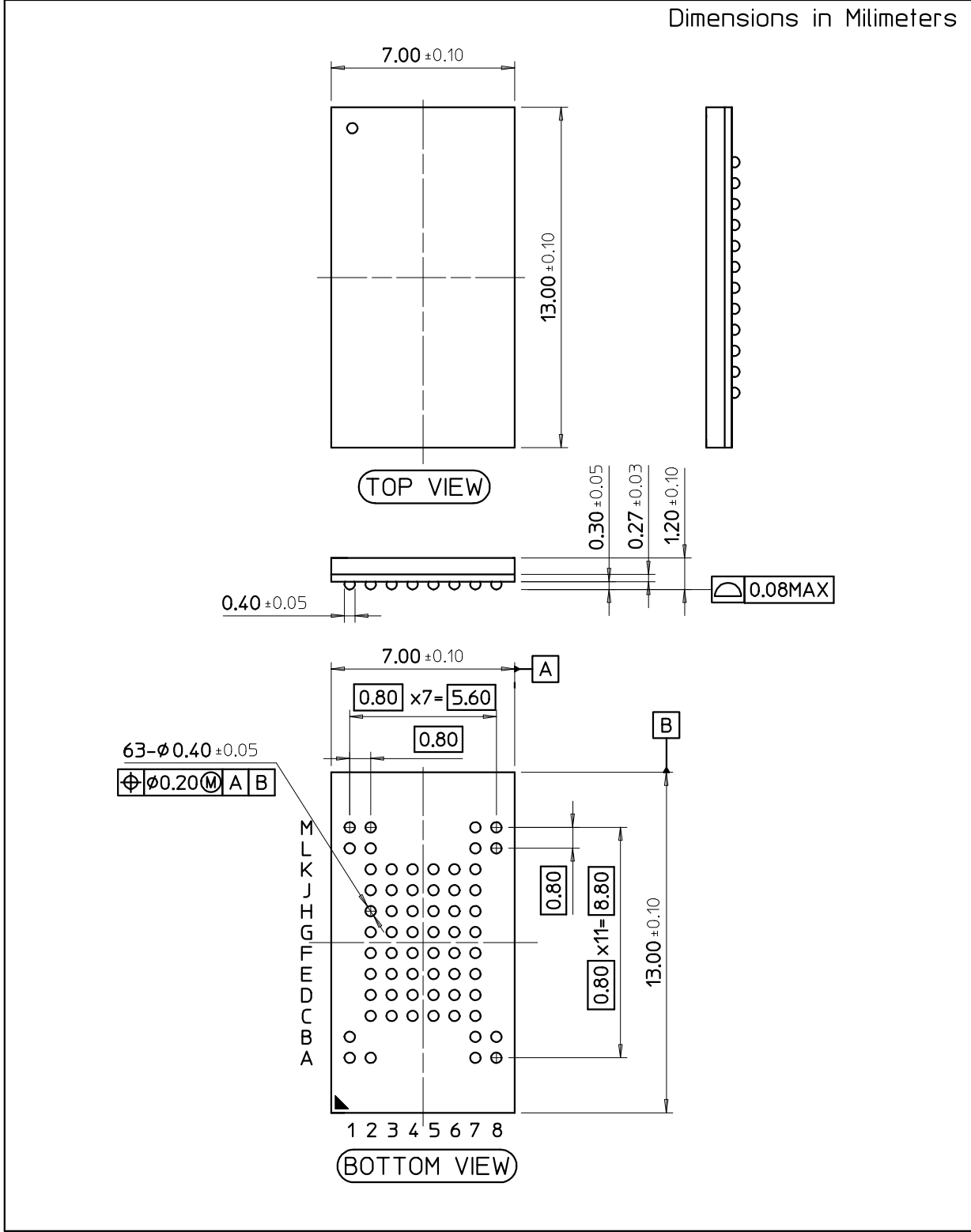
BOTTOM VIEW

587-PGA-2360-A



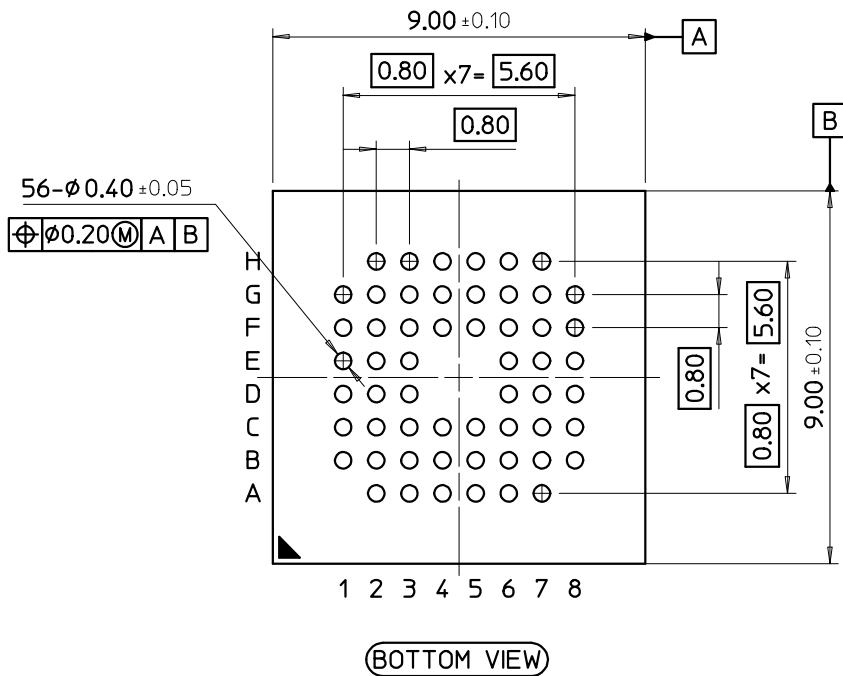
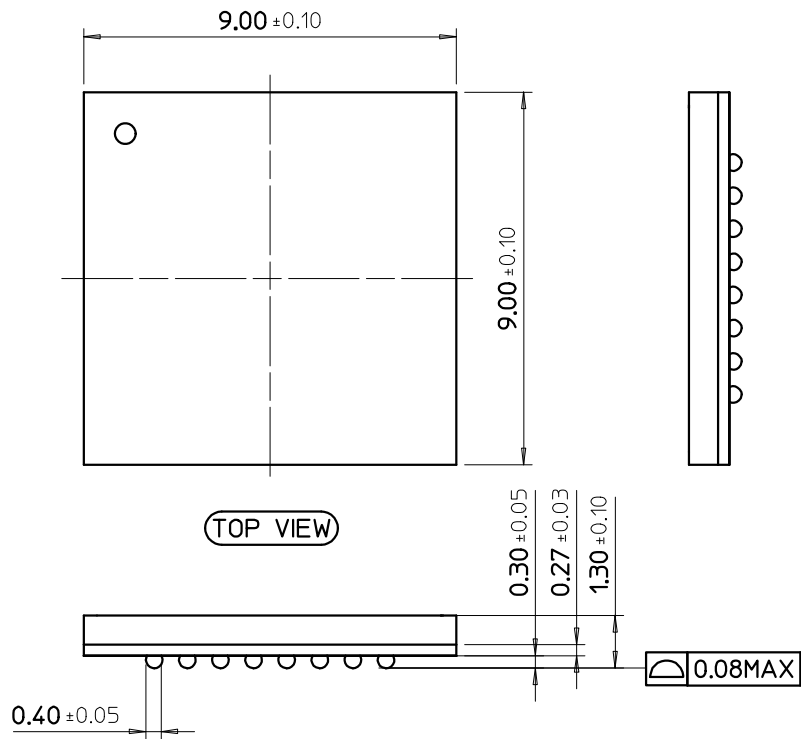
63-FBGA-7.00x13.00

Dimensions in Millimeters



64(56)-FBGA-9.00x9.00

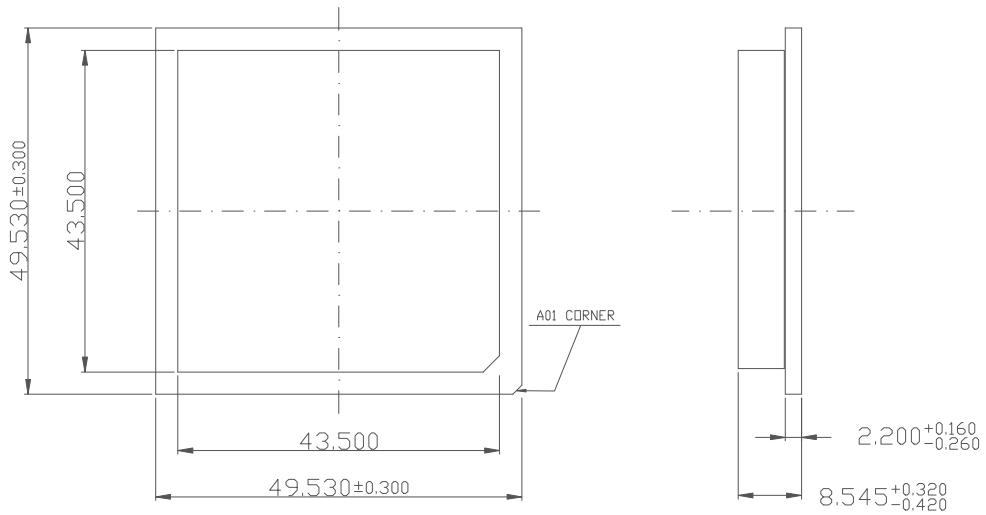
Dimensions in Millimeters



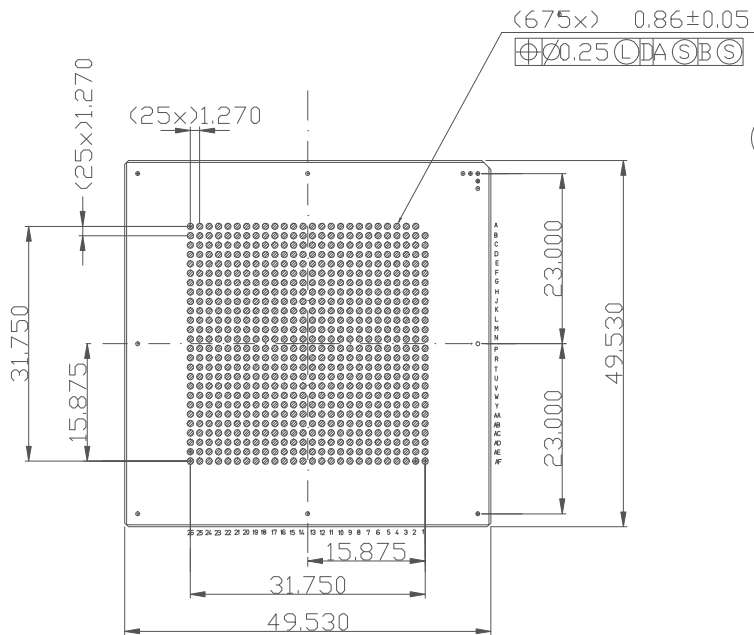
675-LGA-1950

Dimensions in Millimeters

TOP VIEW

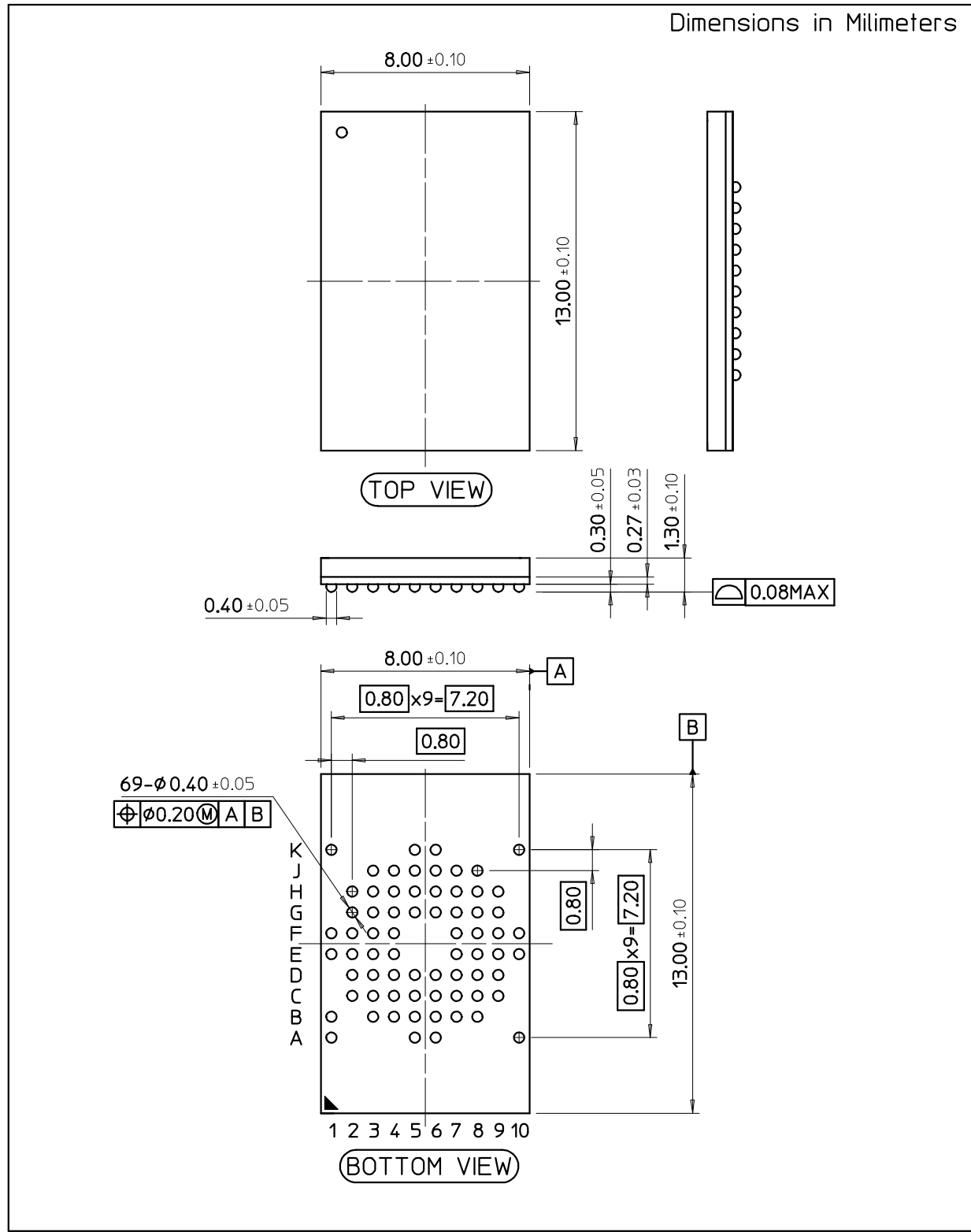


BOTTOM VIEW



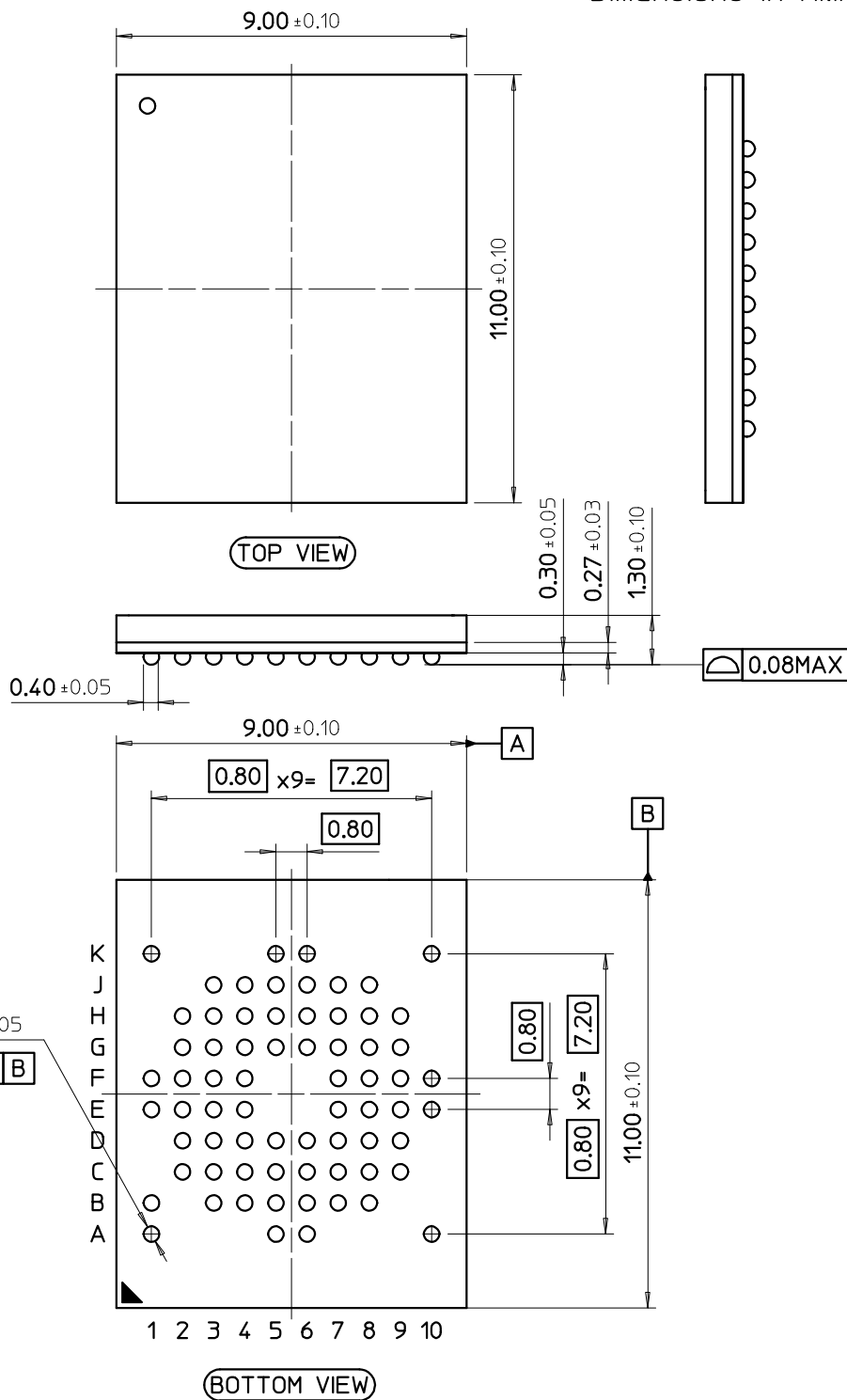
69-FBGA-8.00x13.00

Dimensions in Millimeters



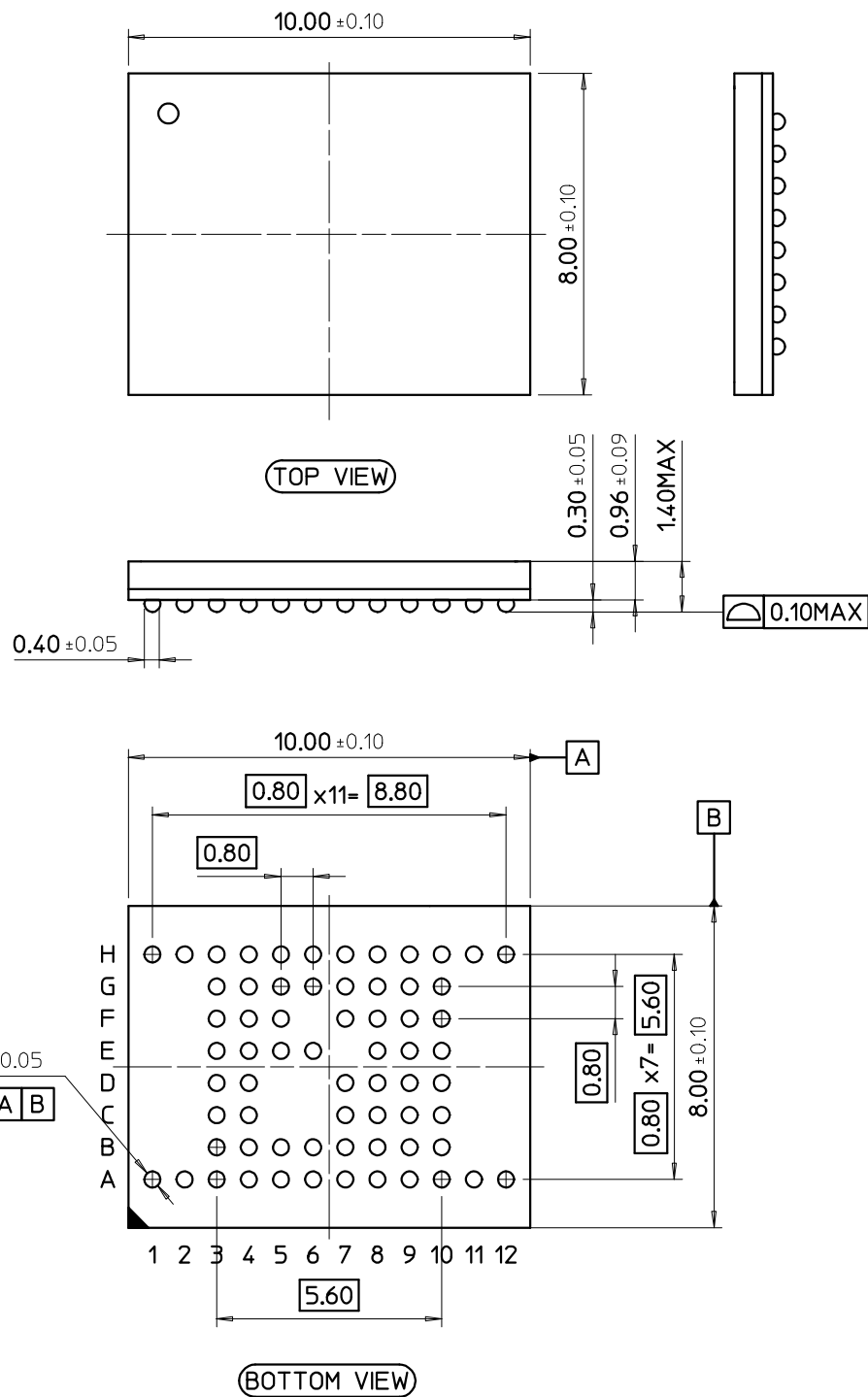
69-FBGA-9.00x11.00

Dimensions in Millimeters



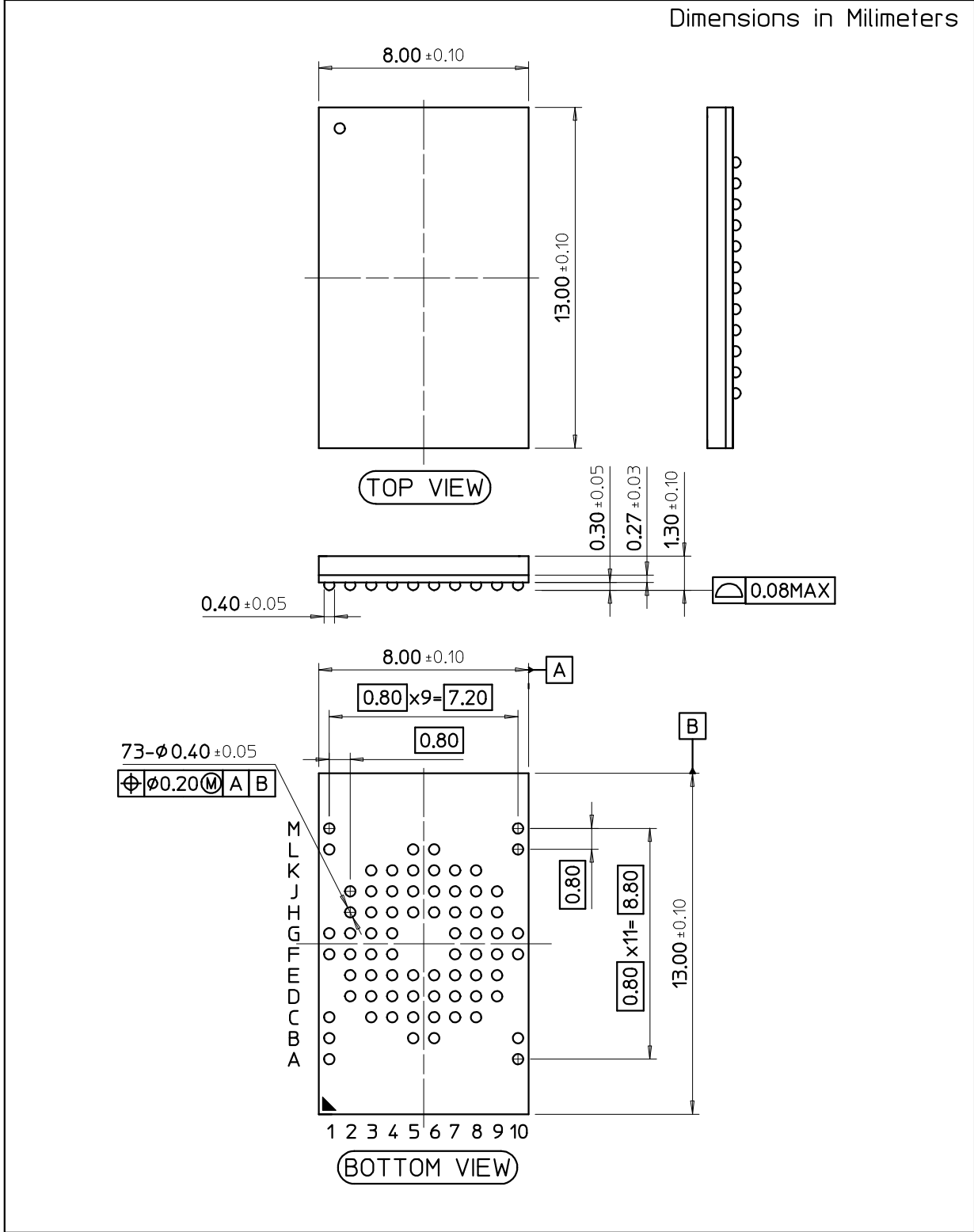
72(66)-FBGA-10.00x8.00

Dimensions in Millimeters



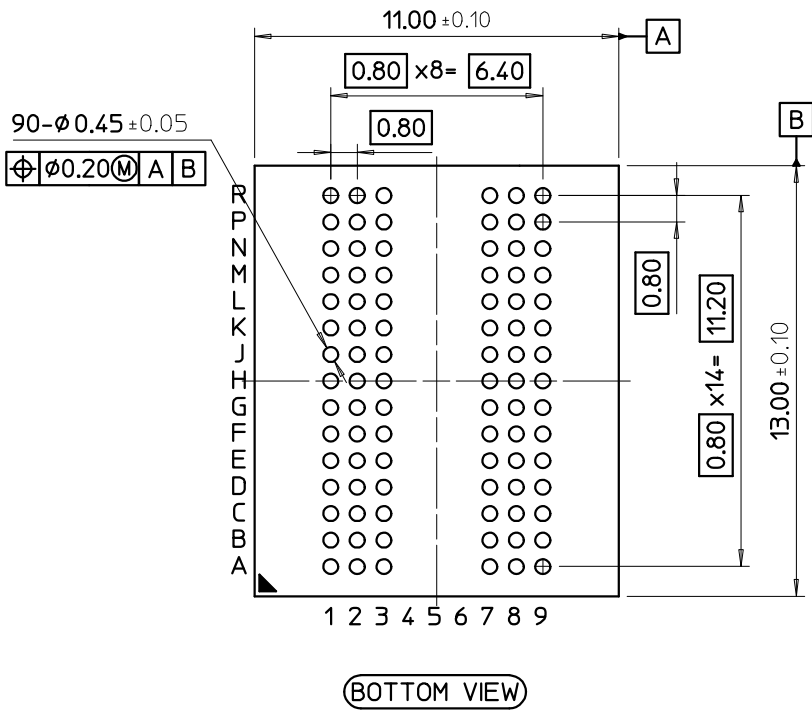
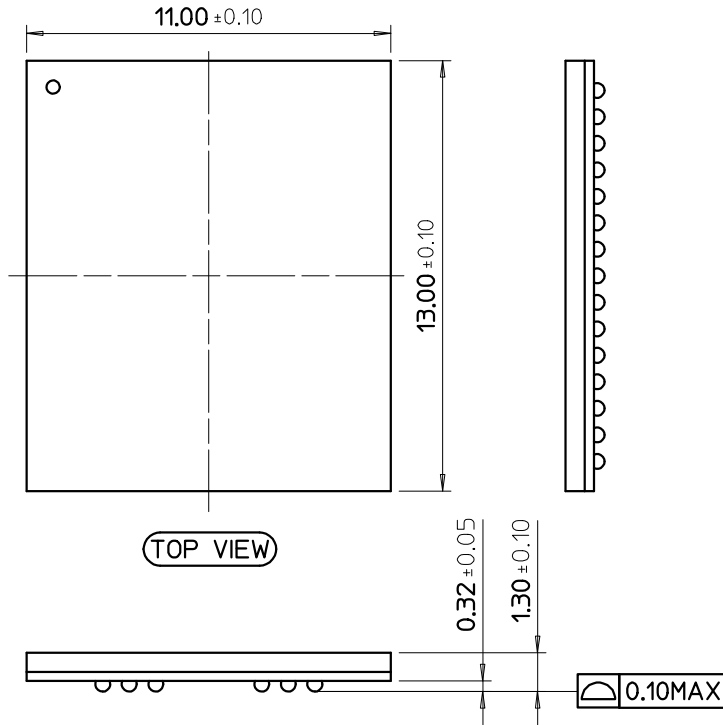
73-FBGA-8.00x13.00

Dimensions in Millimeters



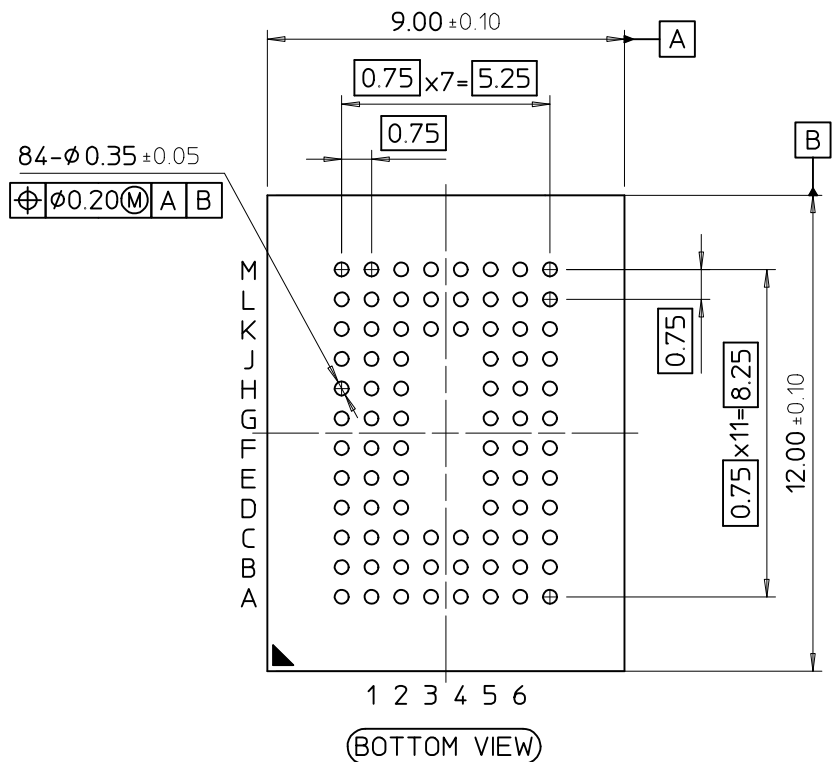
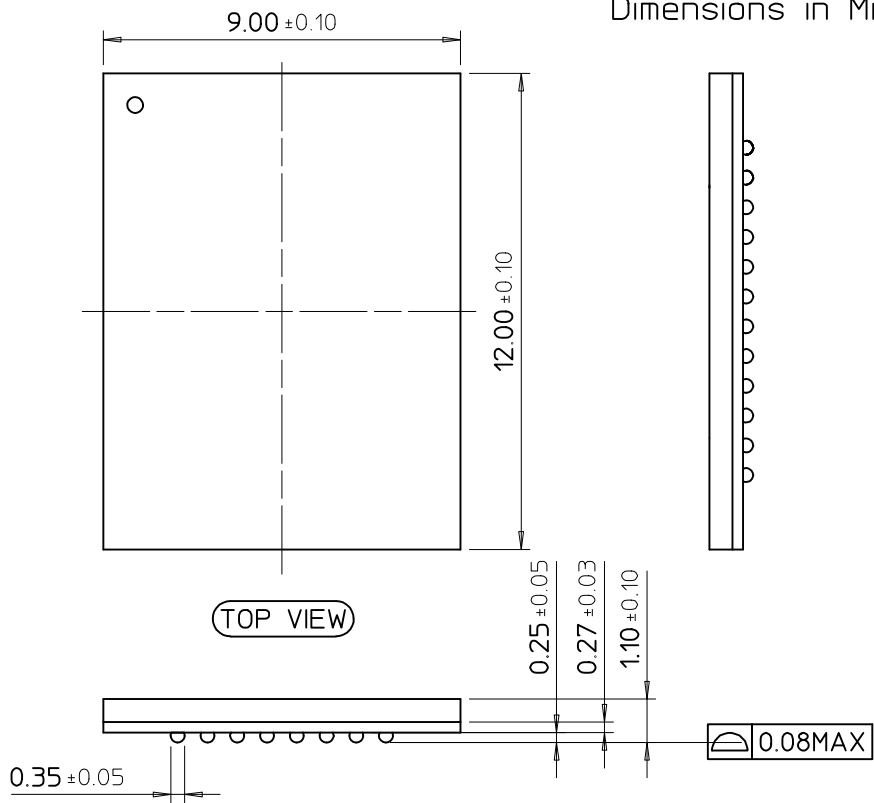
90-FBGA-11.00x13.00

Dimensions in Millimeters



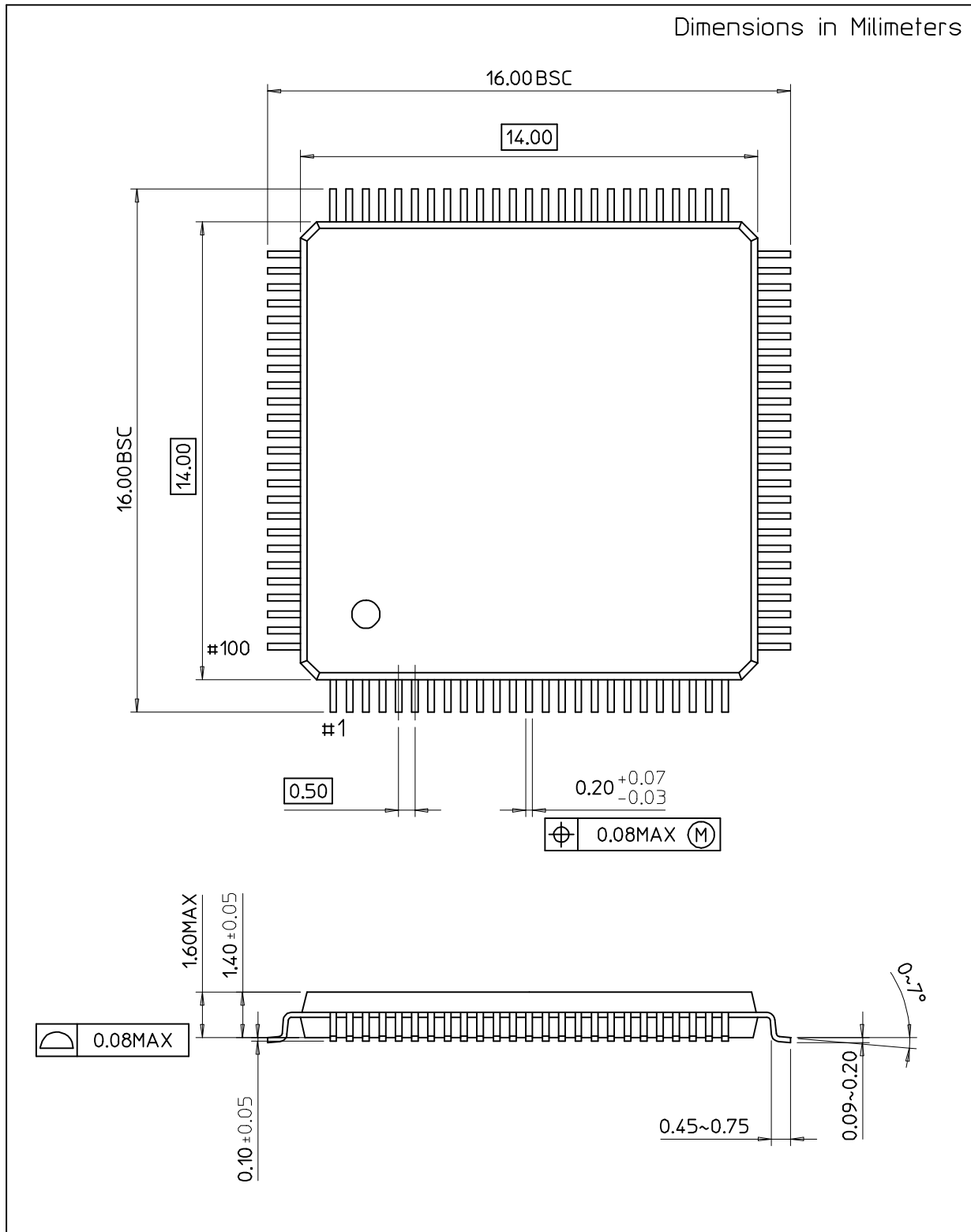
96(84)-FBGA-9.00x12.00

Dimensions in Millimeters



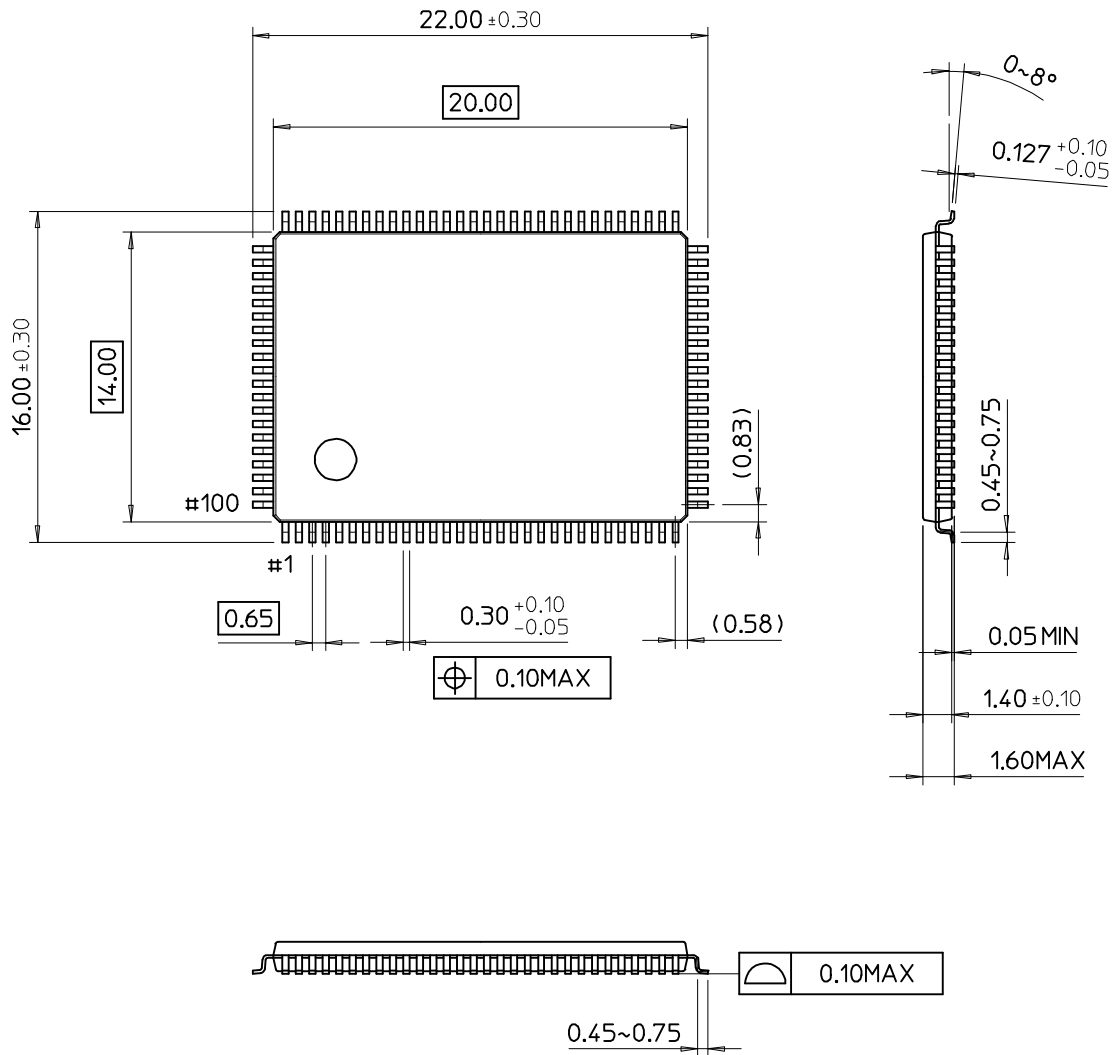
100-LQFP-1414-AN1

Dimensions in Millimeters



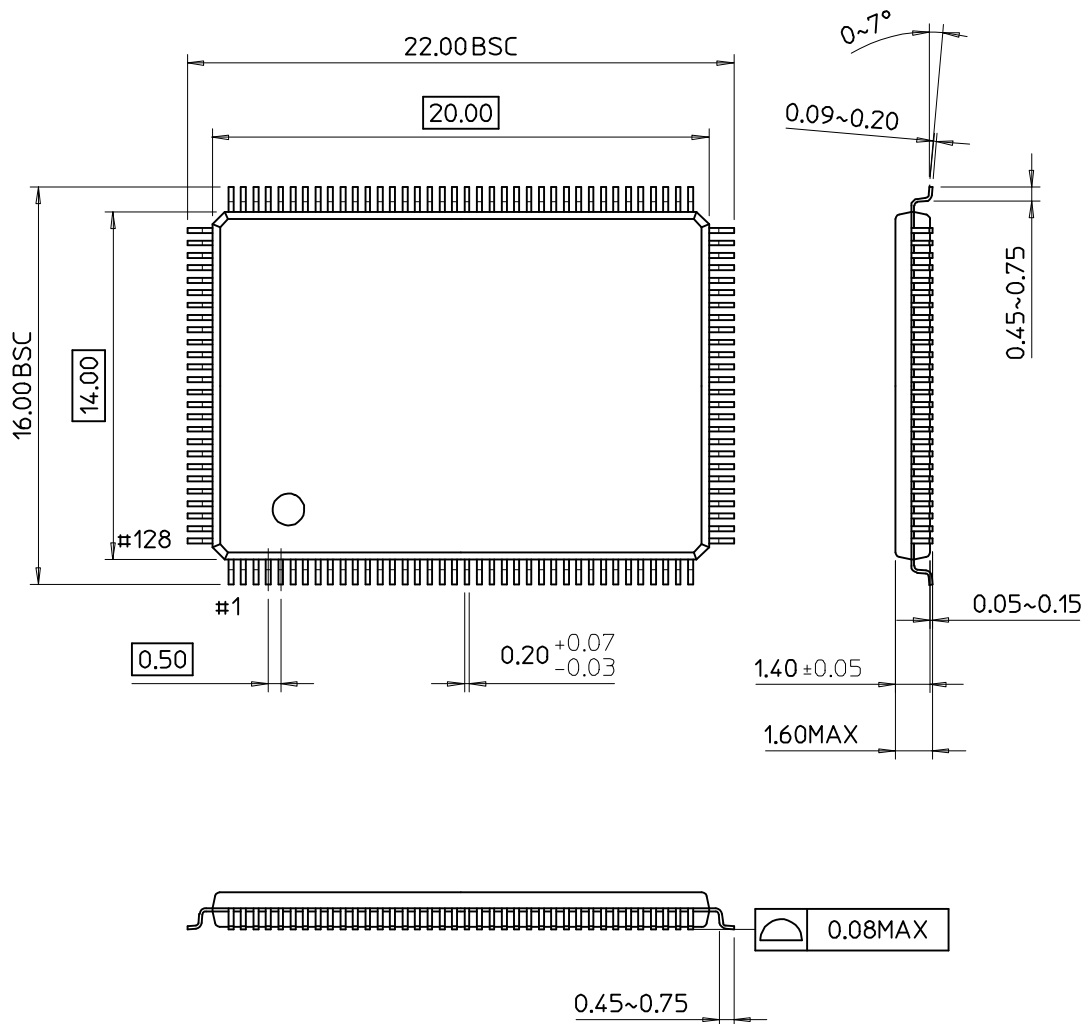
100-LQFP-1420A

Dimensions in Millimeters



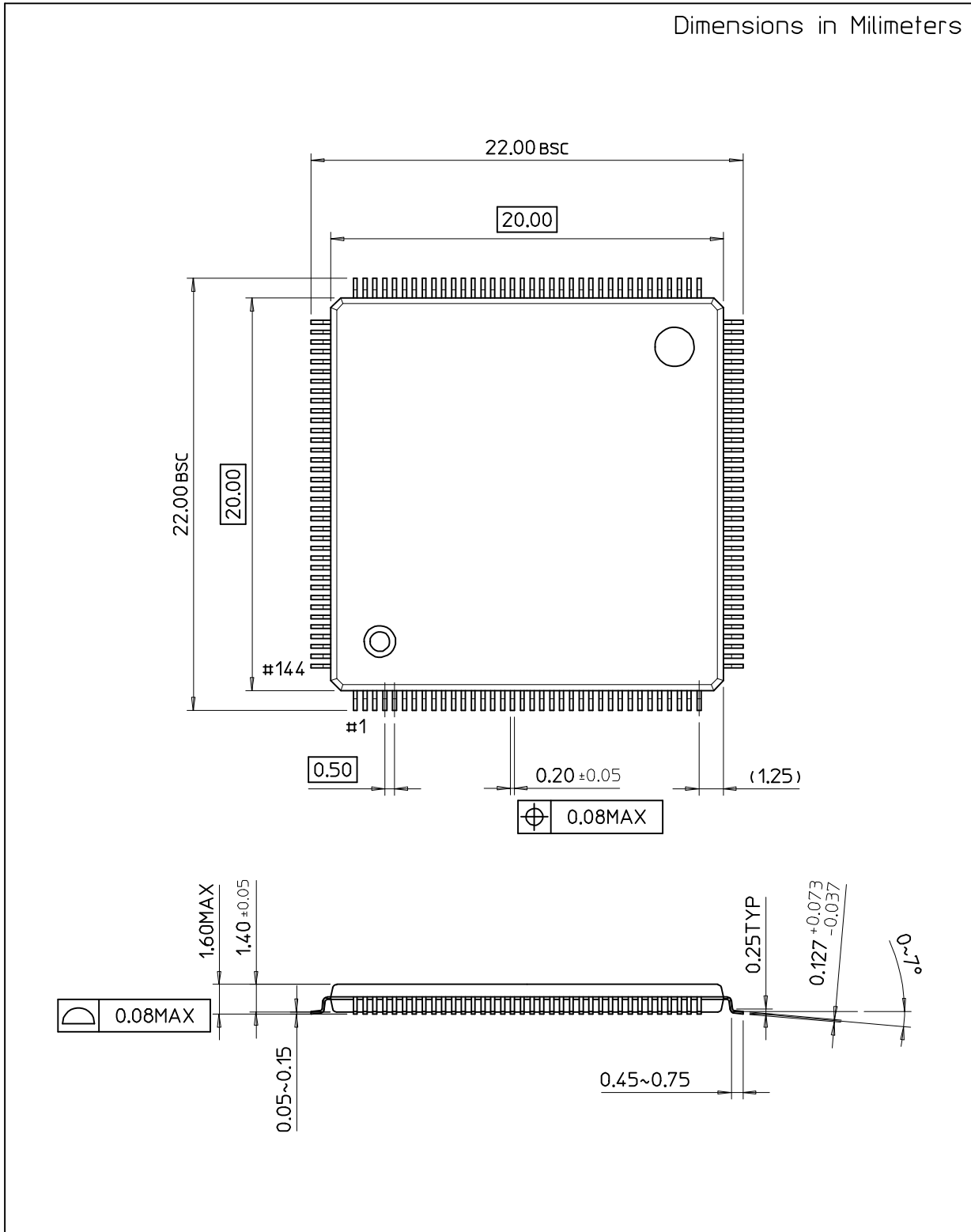
128-LQFP-1420-AN

Dimensions in Millimeters



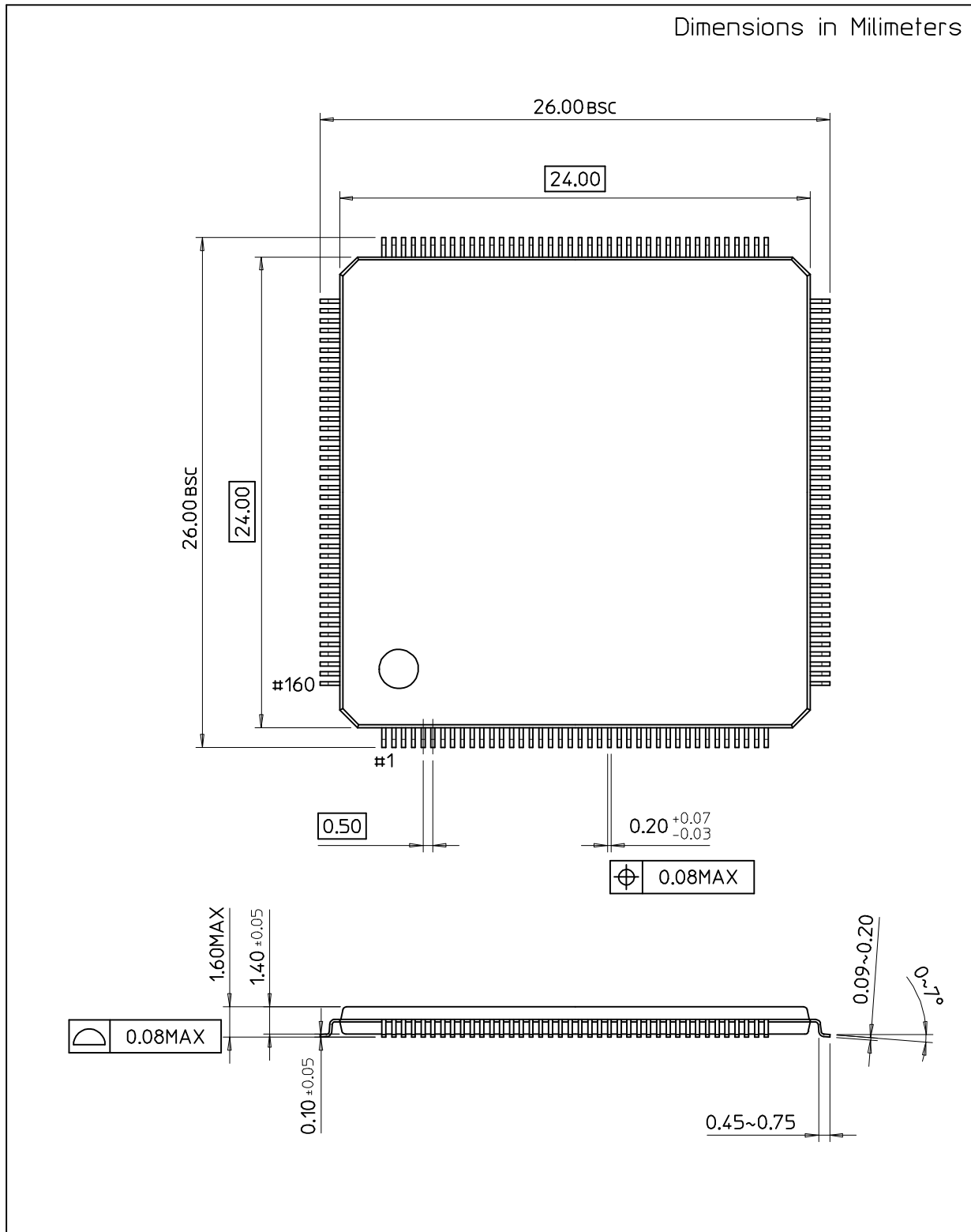
144-LQFP-2020

Dimensions in Millimeters



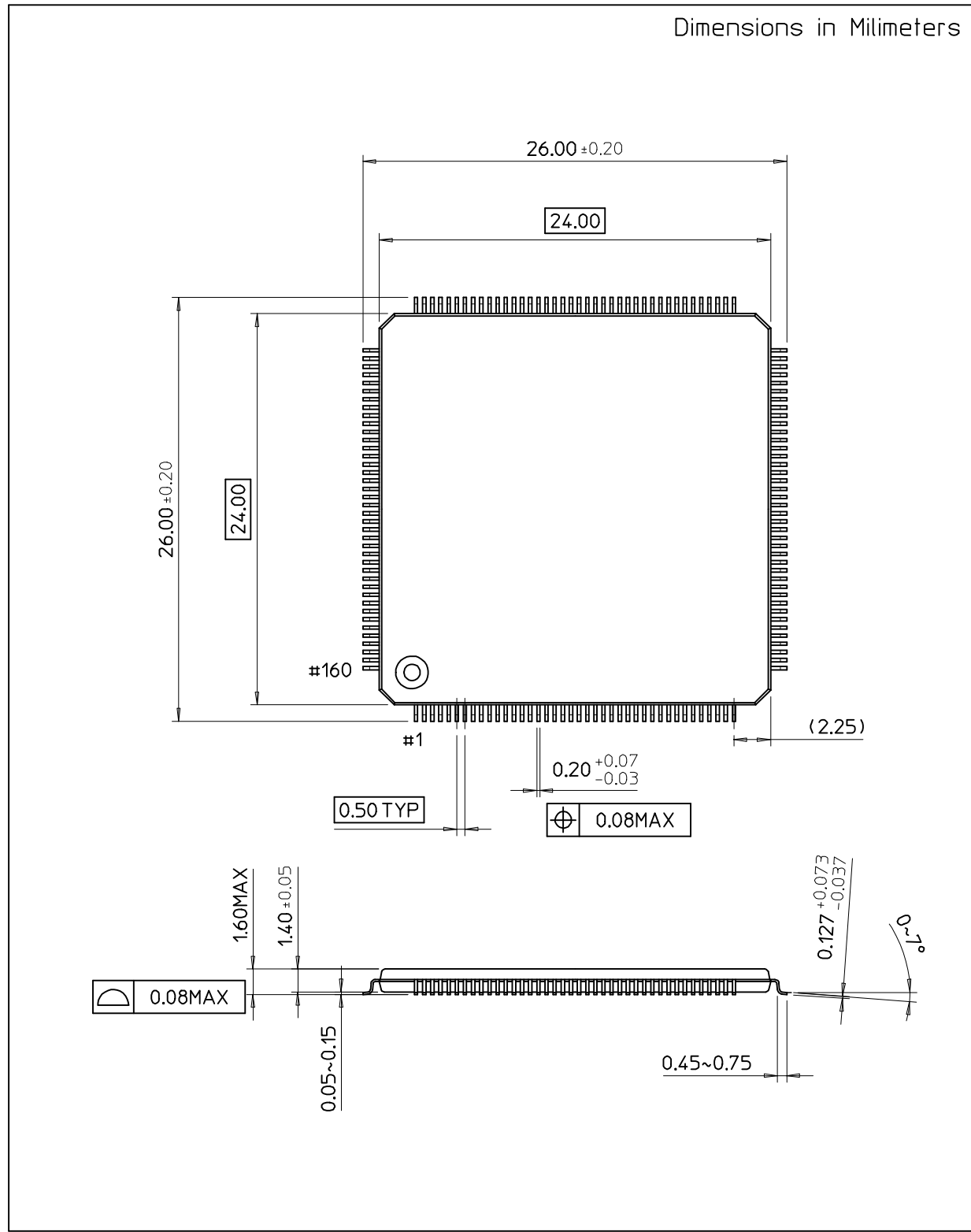
160-LQFP-2424-AN

Dimensions in Millimeters



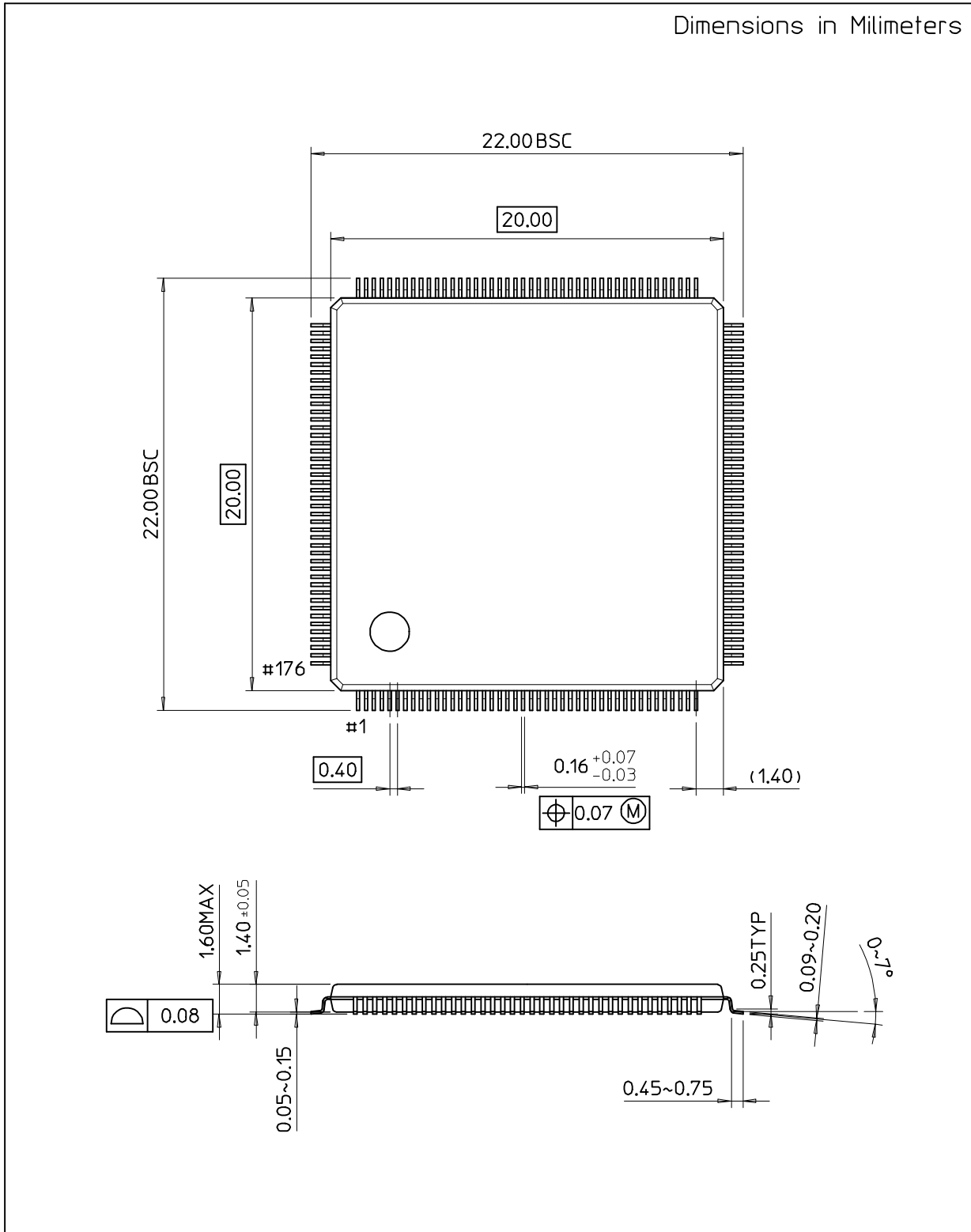
160-LQFP-2424

Dimensions in Millimeters



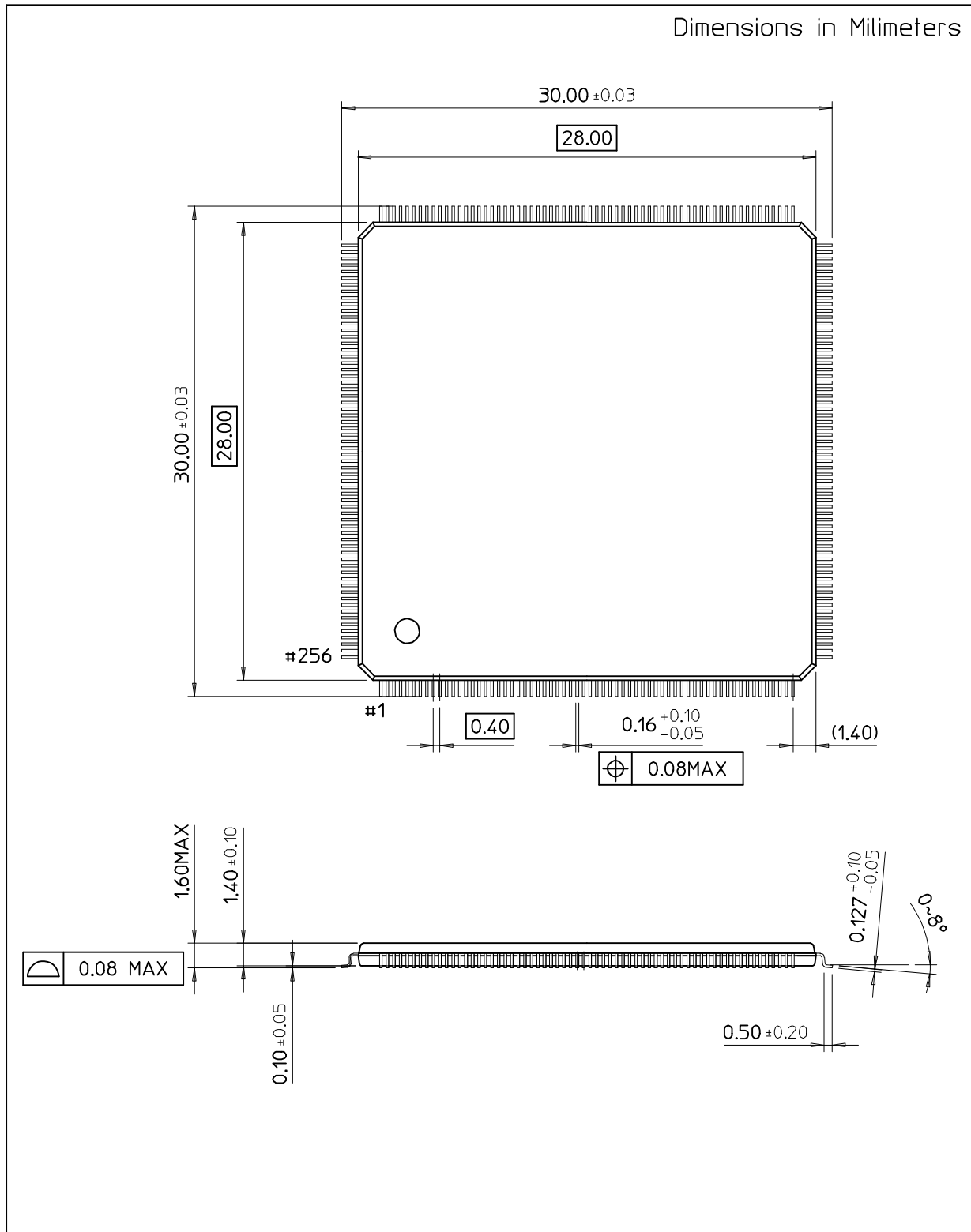
176-LQFP-2020-AN

Dimensions in Millimeters



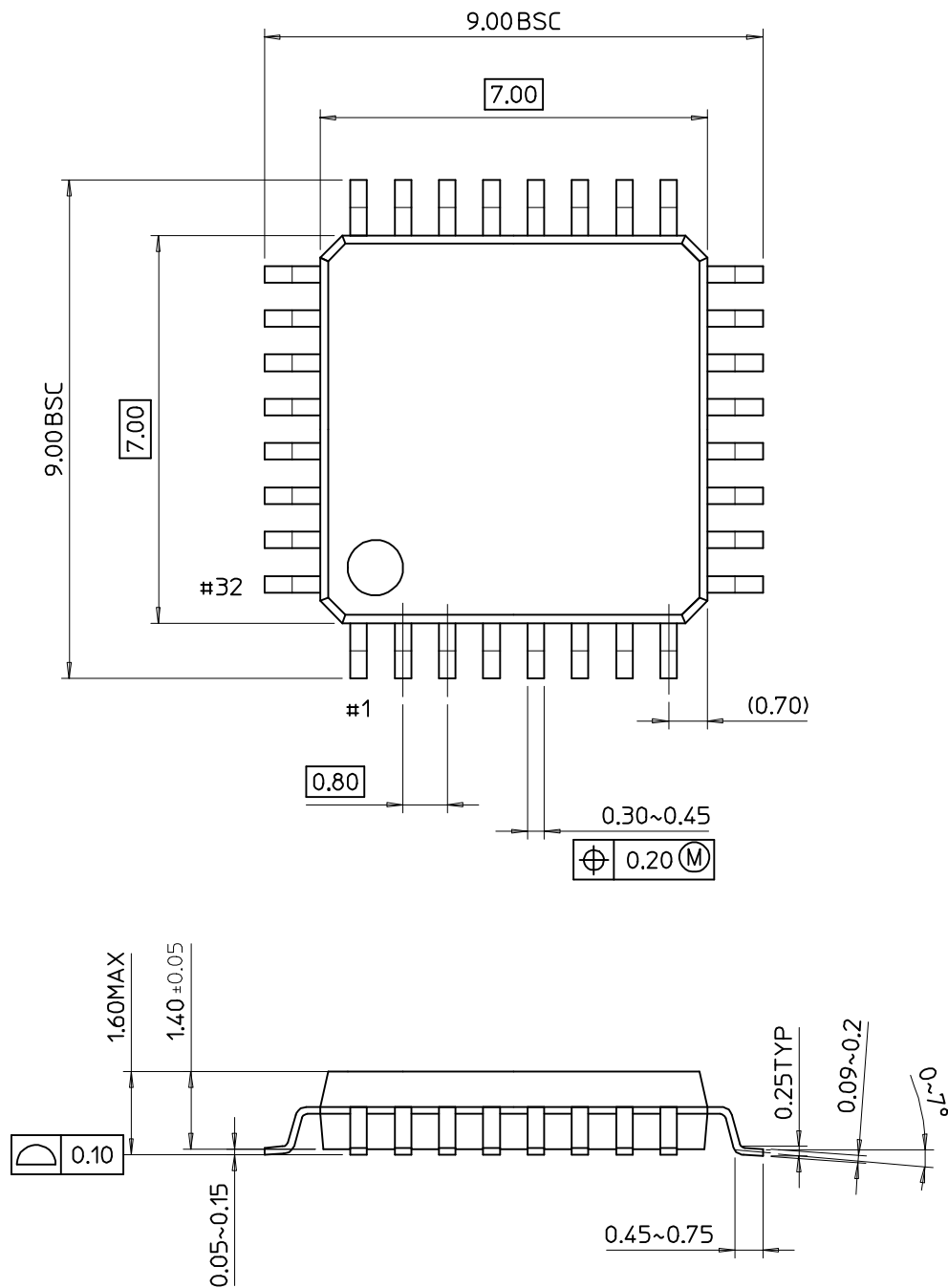
256-LQFP-2828

Dimensions in Millimeters



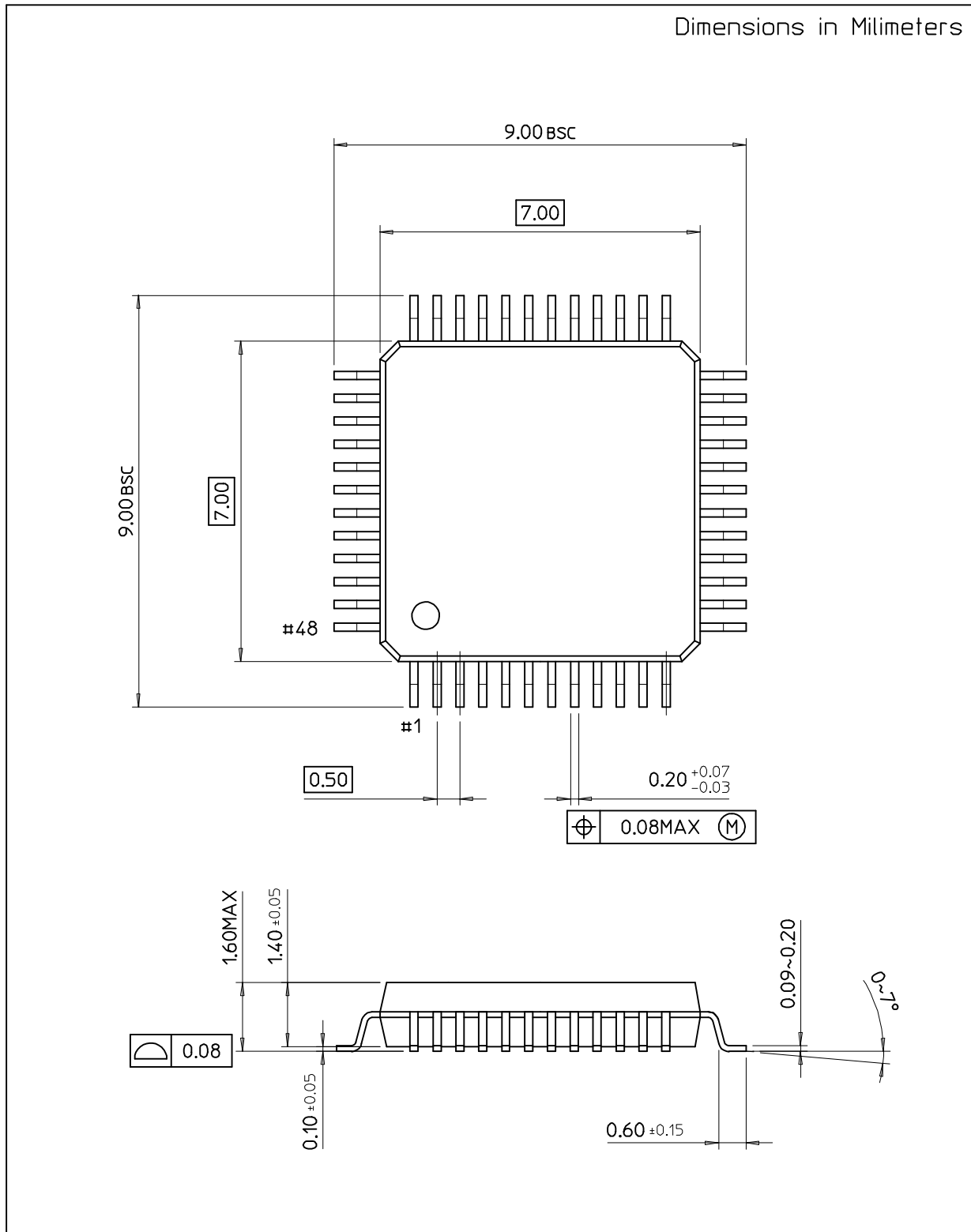
32-LQFP-0707-AN

Dimensions in Millimeters



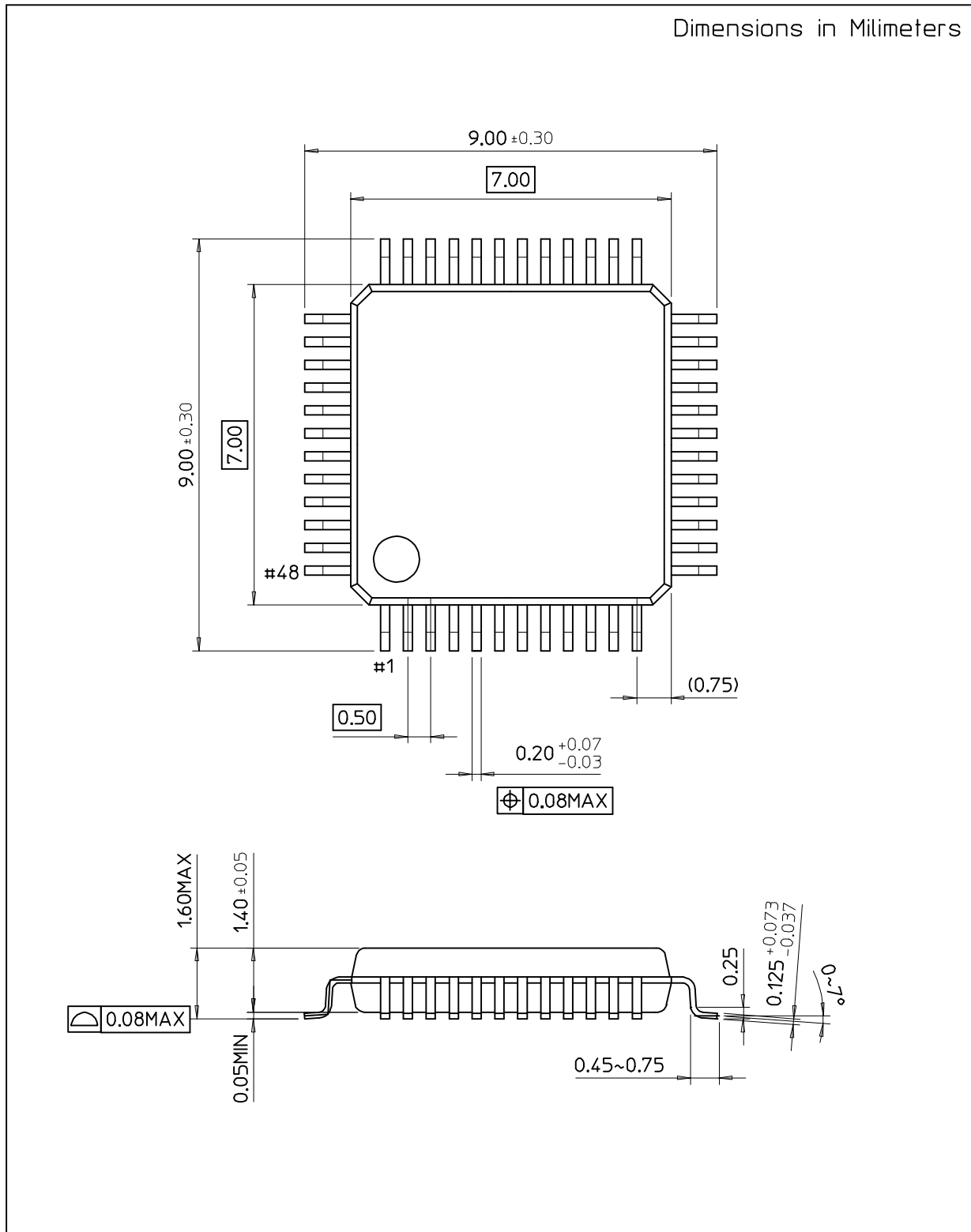
48-LQFP-0707-AN

Dimensions in Millimeters



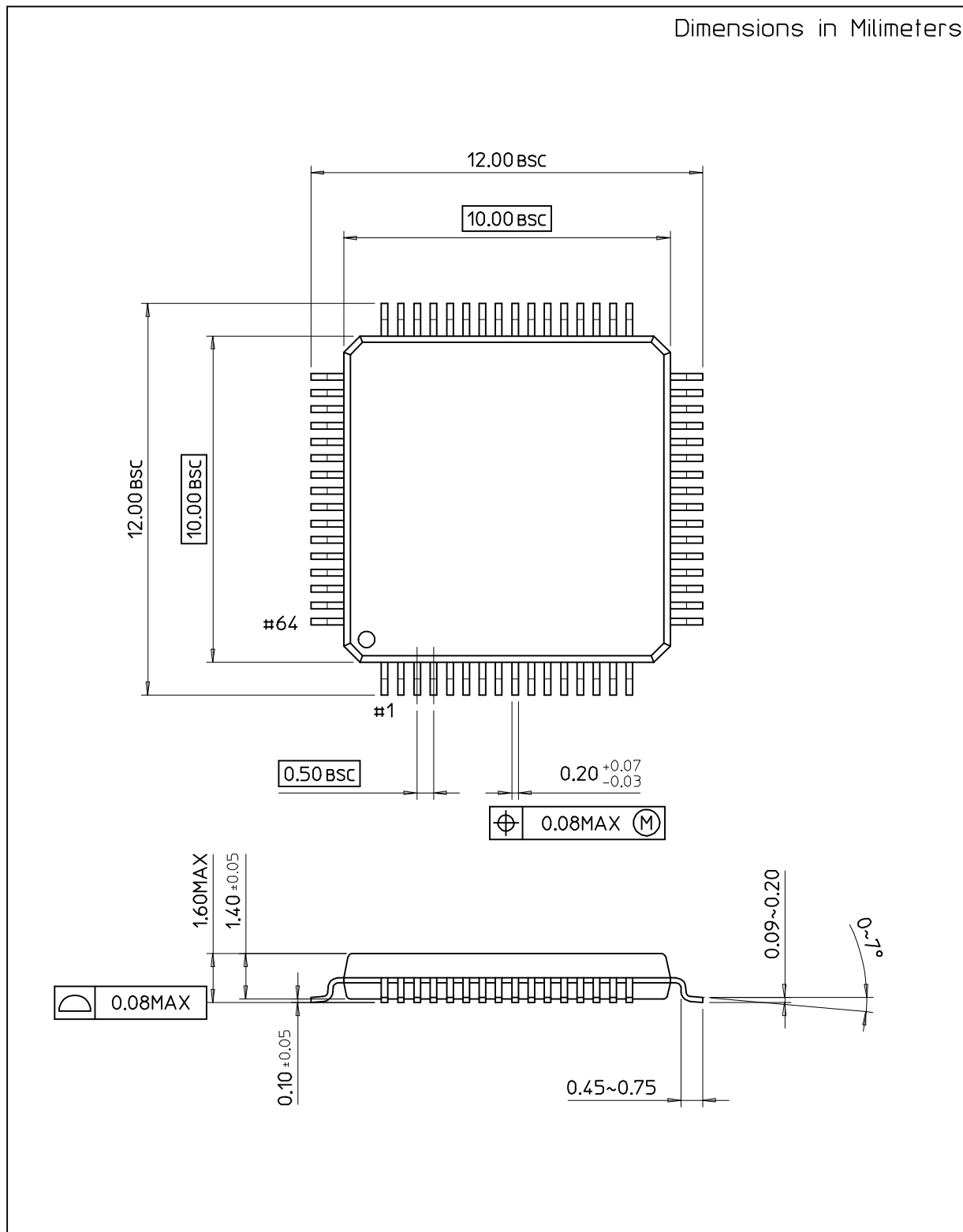
48-LQFP-0707

Dimensions in Millimeters



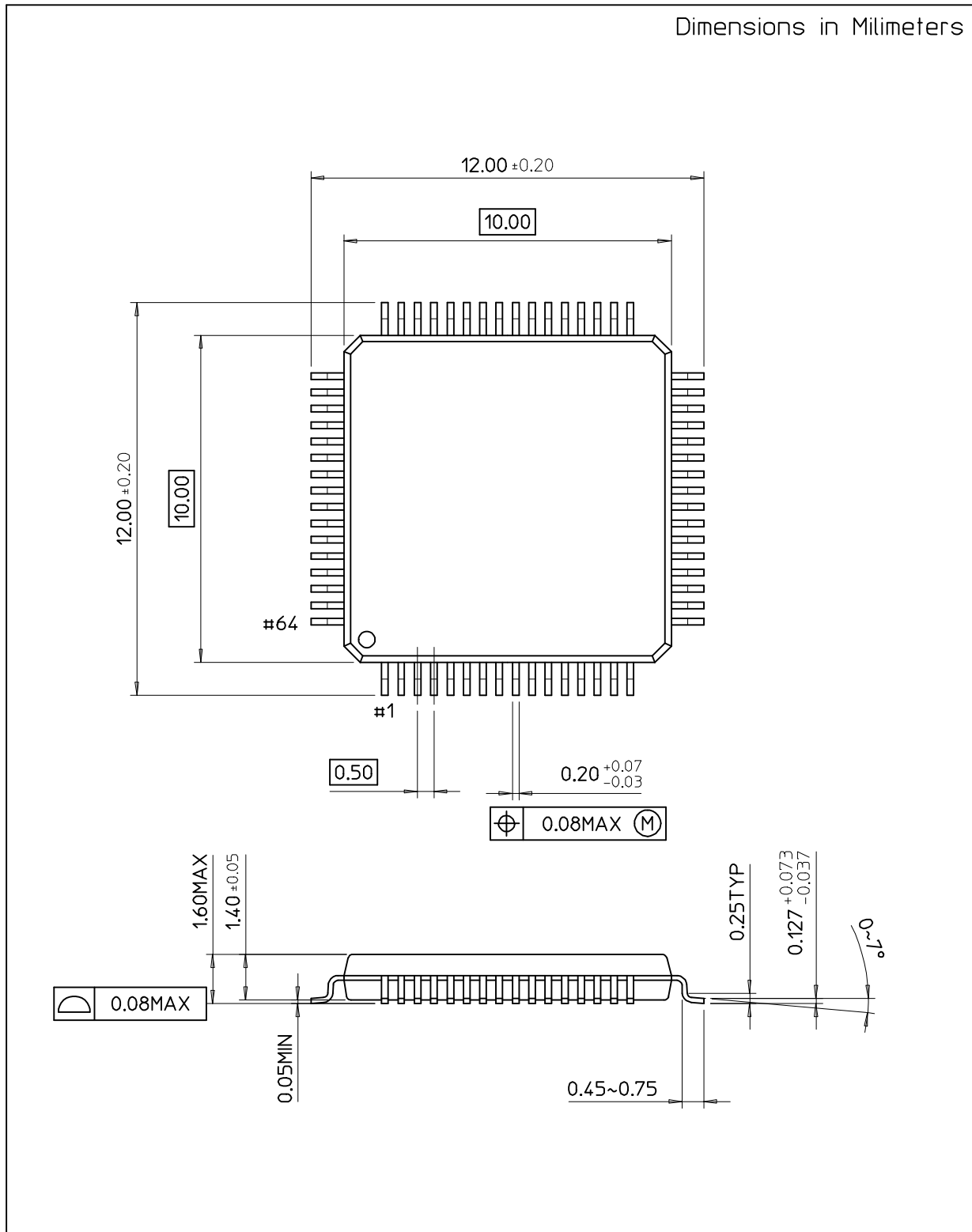
64-LQFP-1010-AN

Dimensions in Millimeters



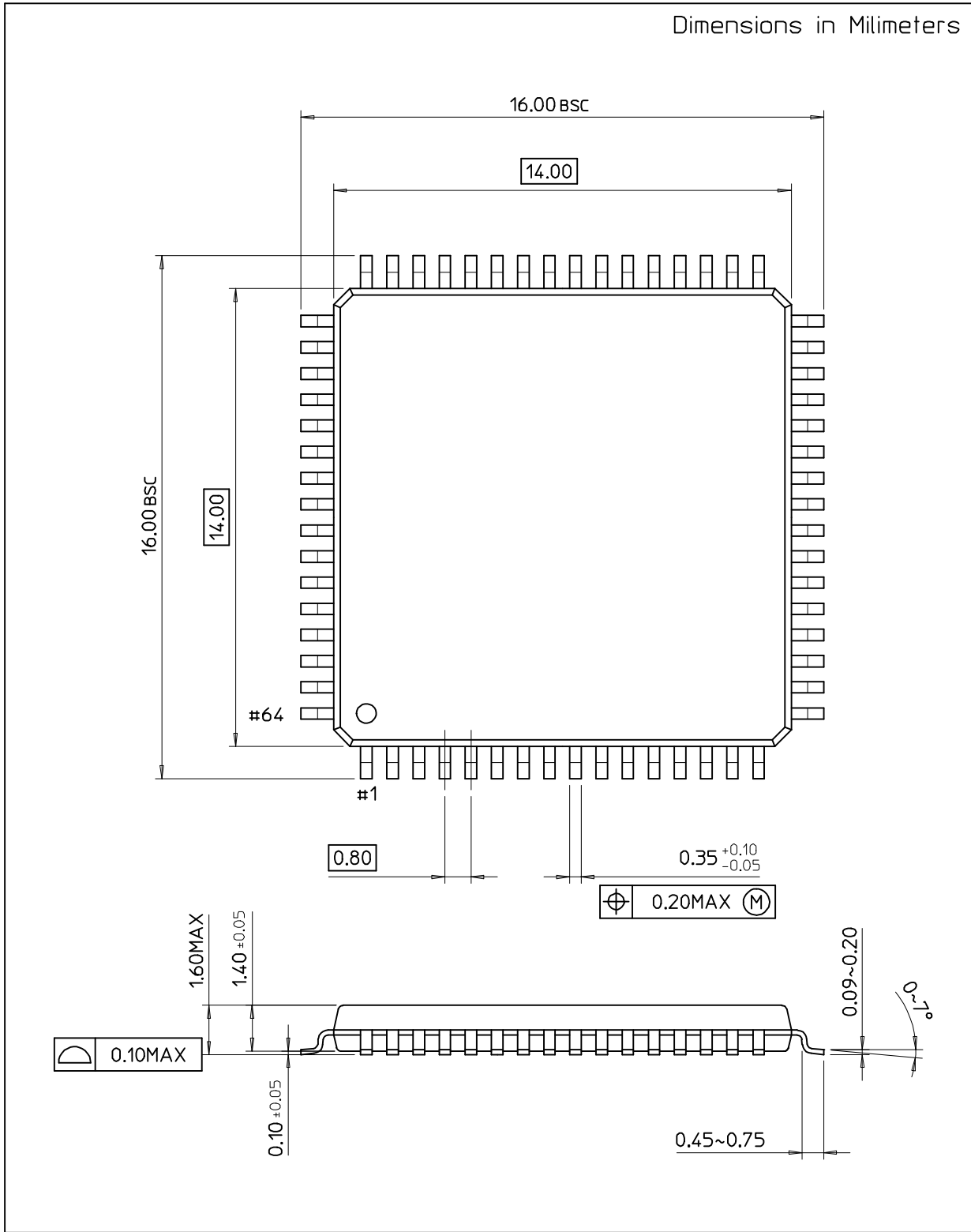
64-LQFP-1010

Dimensions in Millimeters



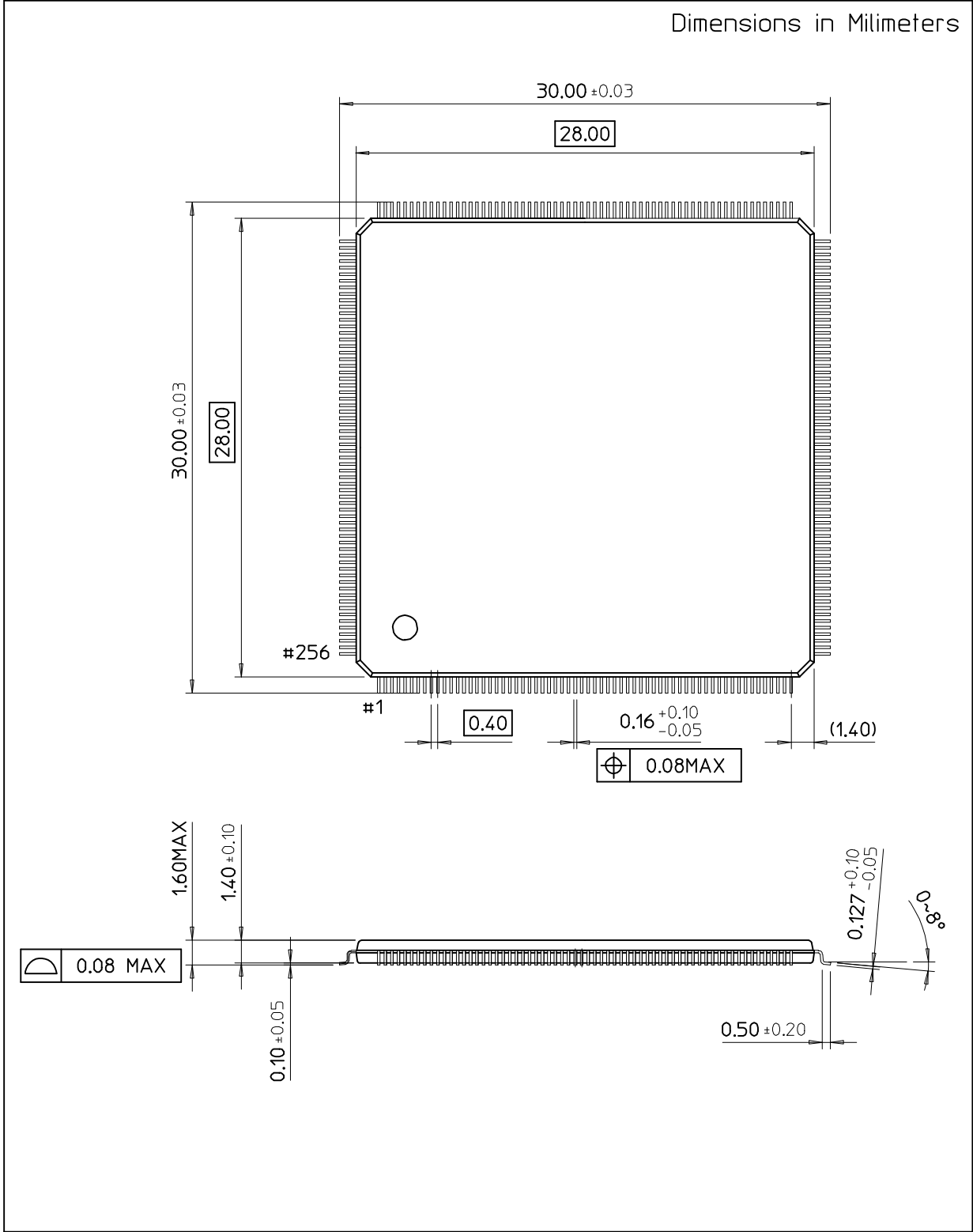
64-LQFP-1414-AN

Dimensions in Millimeters



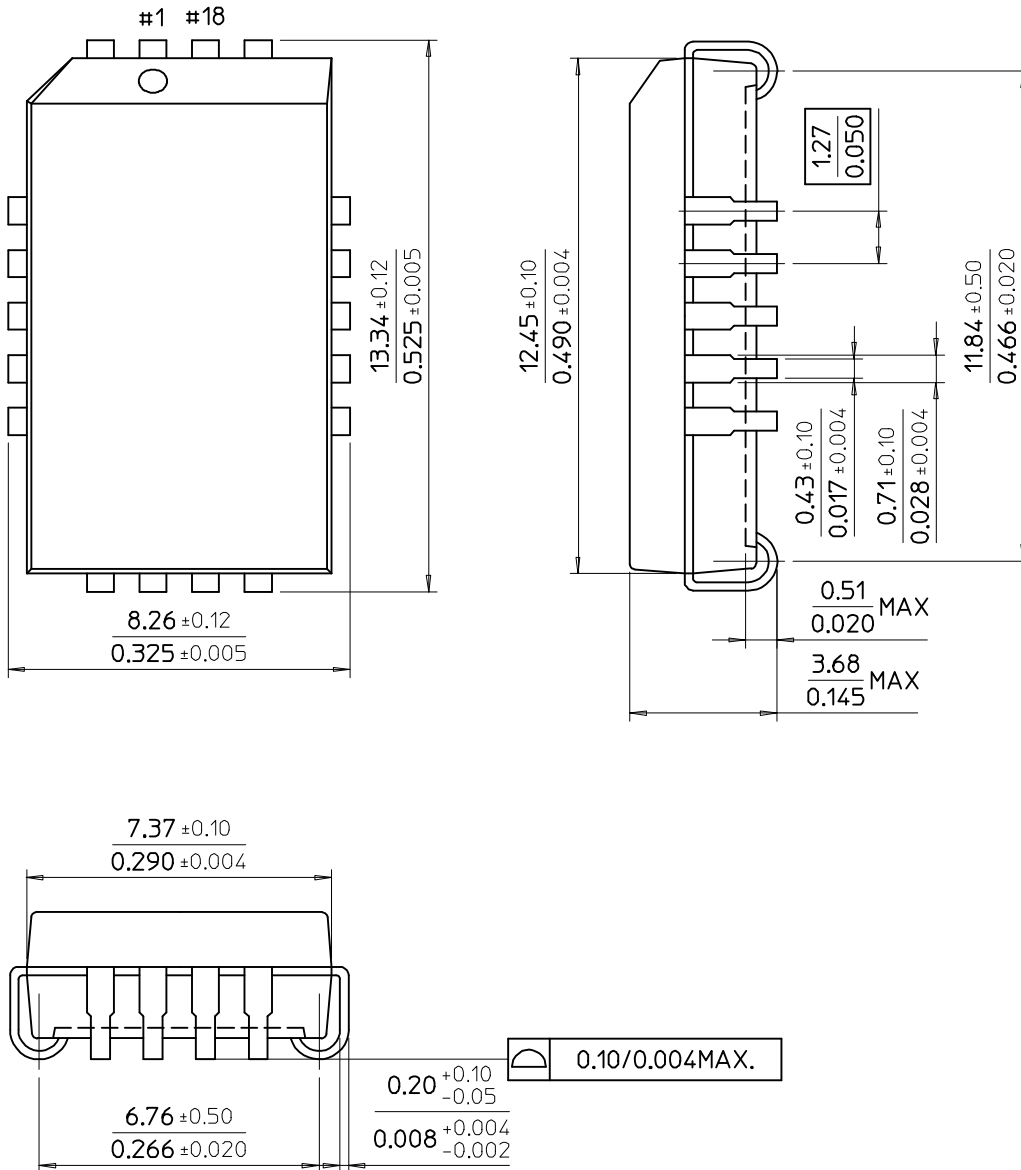
256-LQFP-2828

Dimensions in Millimeters



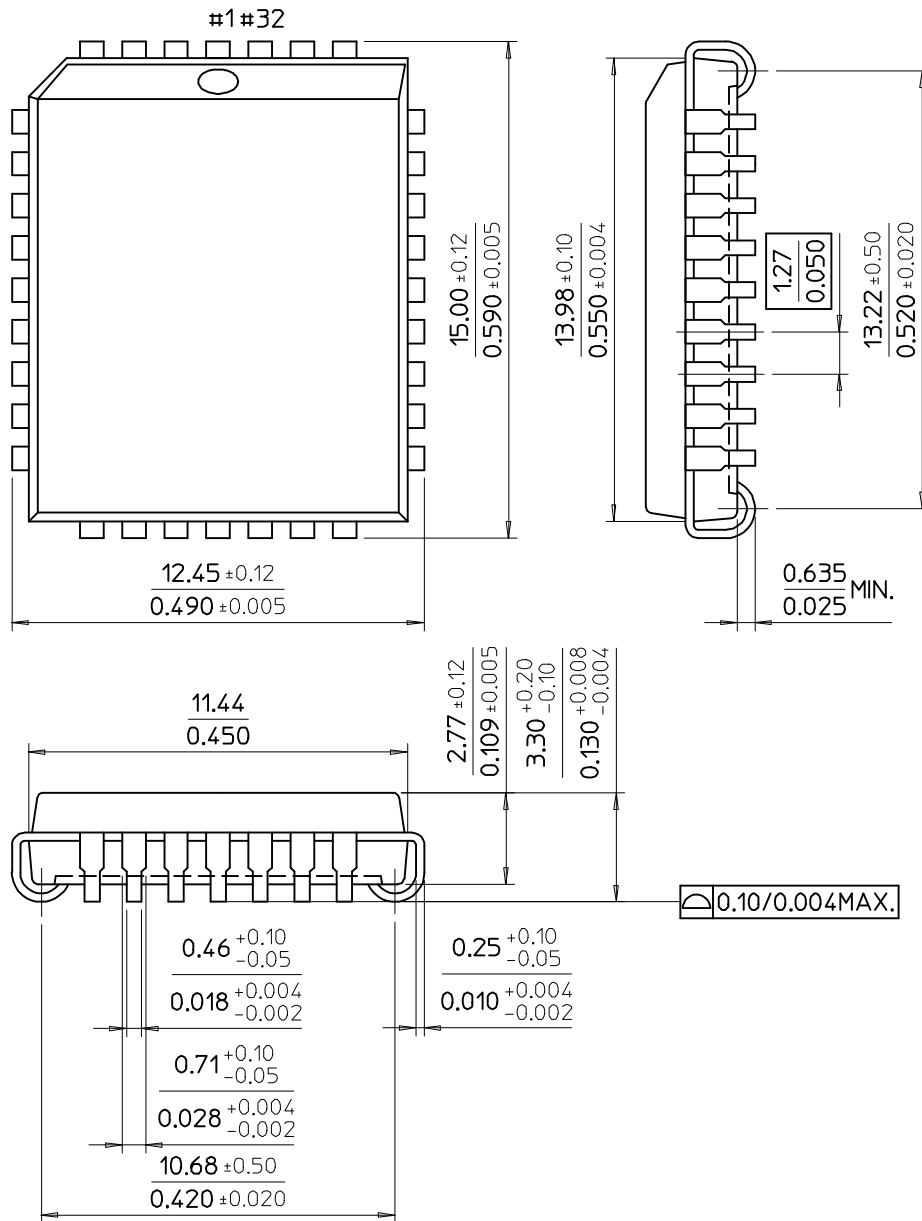
18-PLCC-REC.

Dimensions in Millimeters/inches



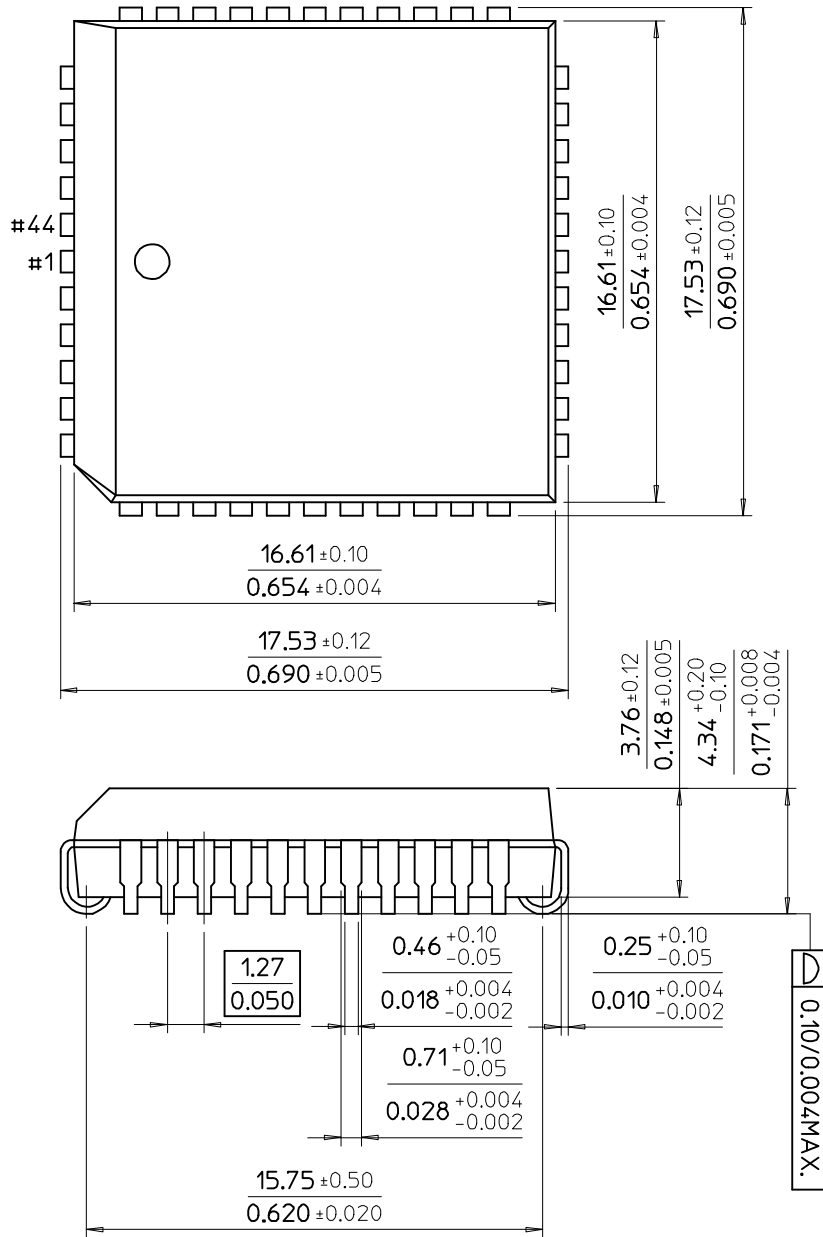
32-PLCC-REC.

Dimensions in Millimeters/inches



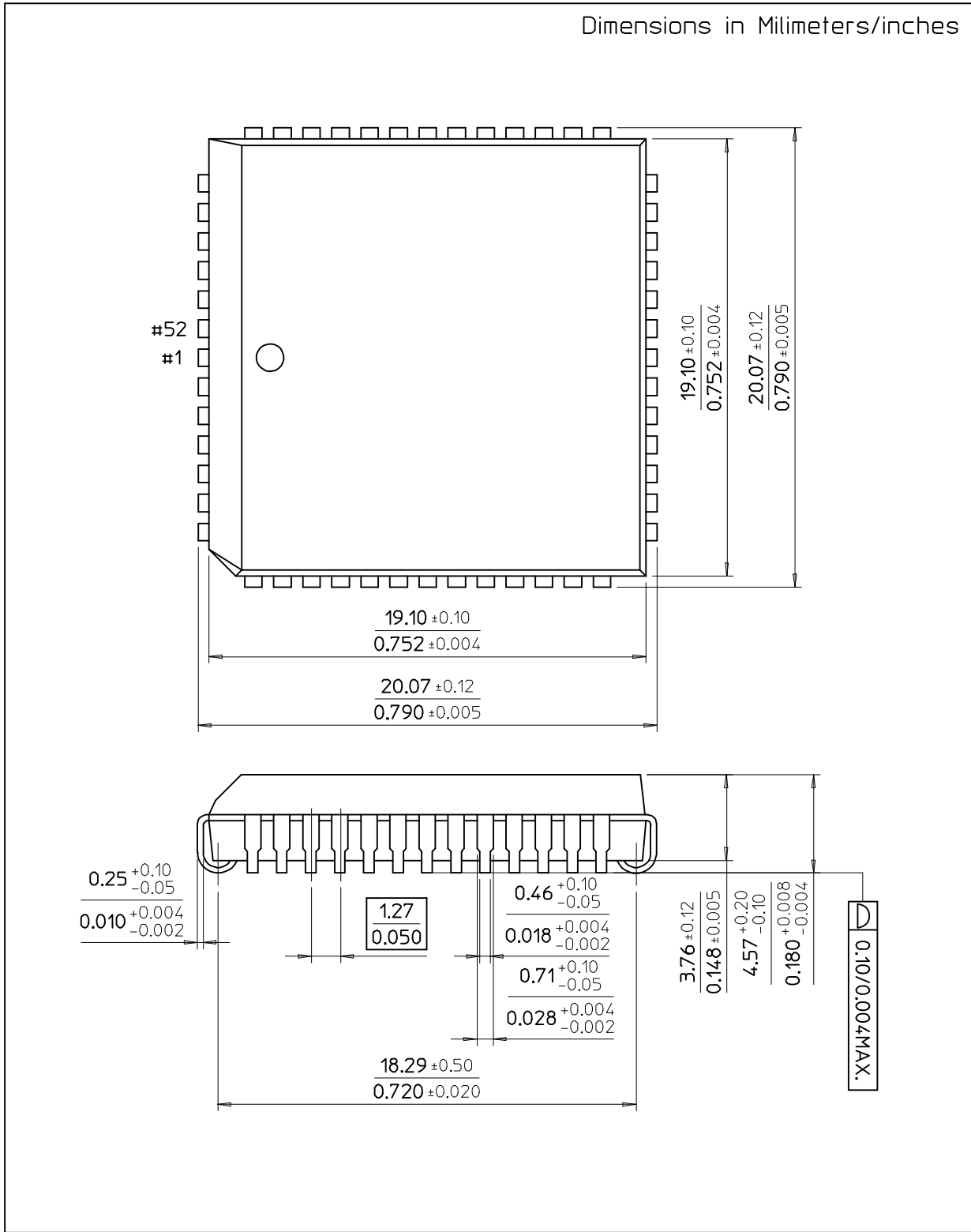
44-PLCC-SQ

Dimensions in Millimeters/inches



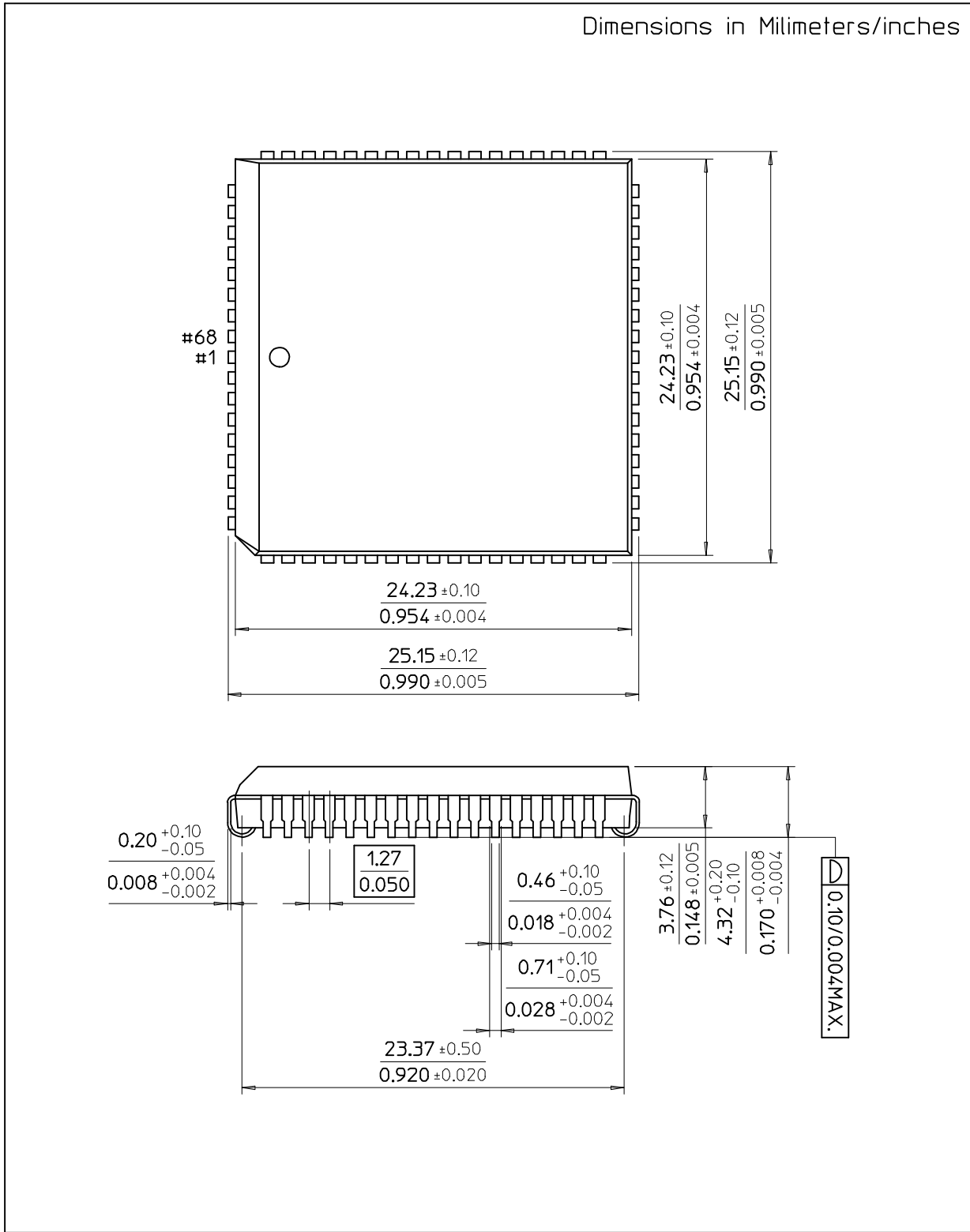
52-PLCC-SQ

Dimensions in Millimeters/inches



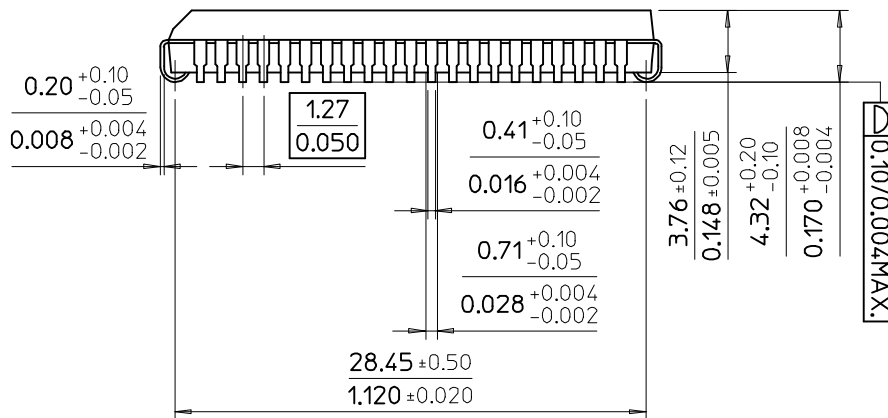
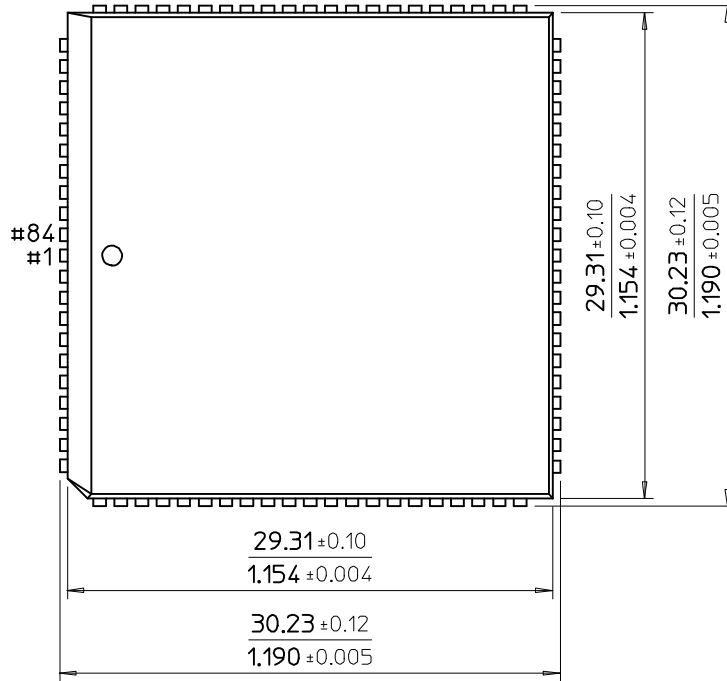
68-PLCC-SQ

Dimensions in Millimeters/inches



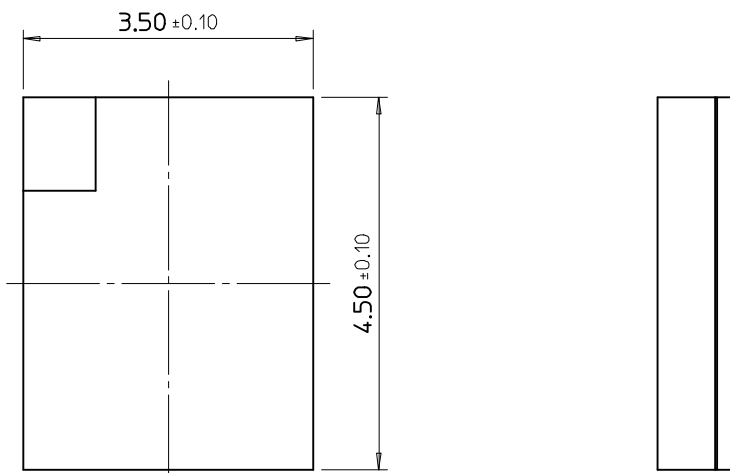
84-PLCC-SQ

Dimensions in Millimeters/inches

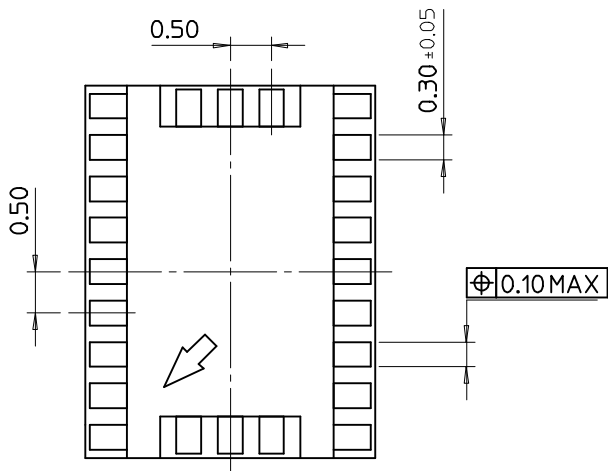
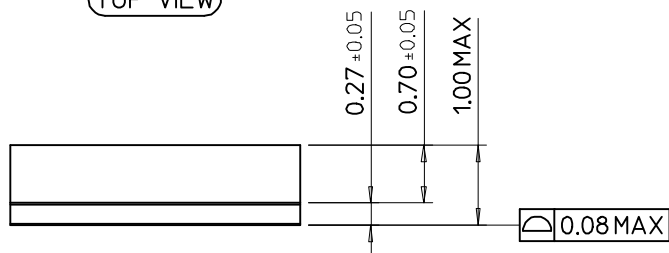


24-QFN-3.5X4.5-CP

Dimensions in Millimeters



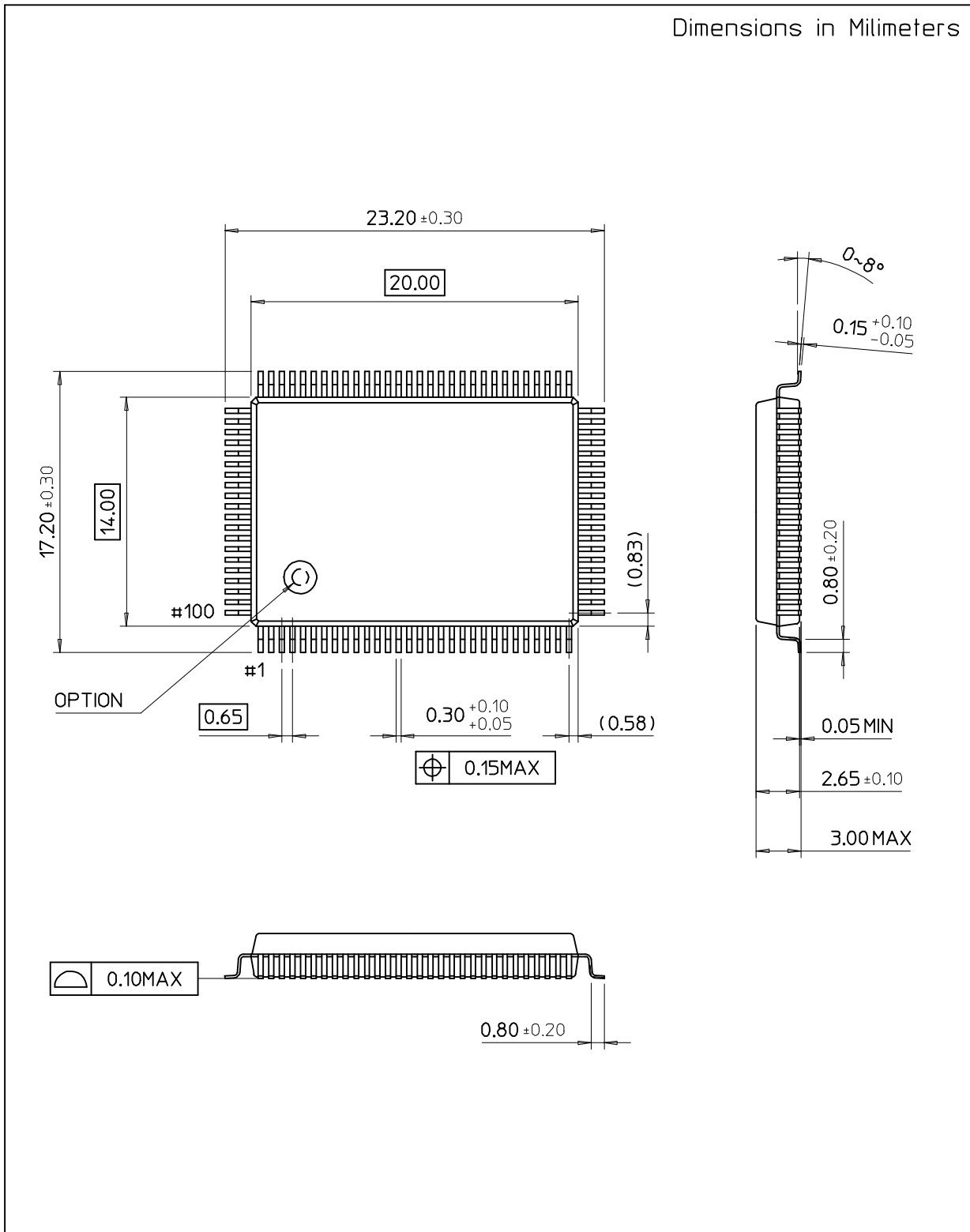
TOP VIEW



BOTTOM VIEW

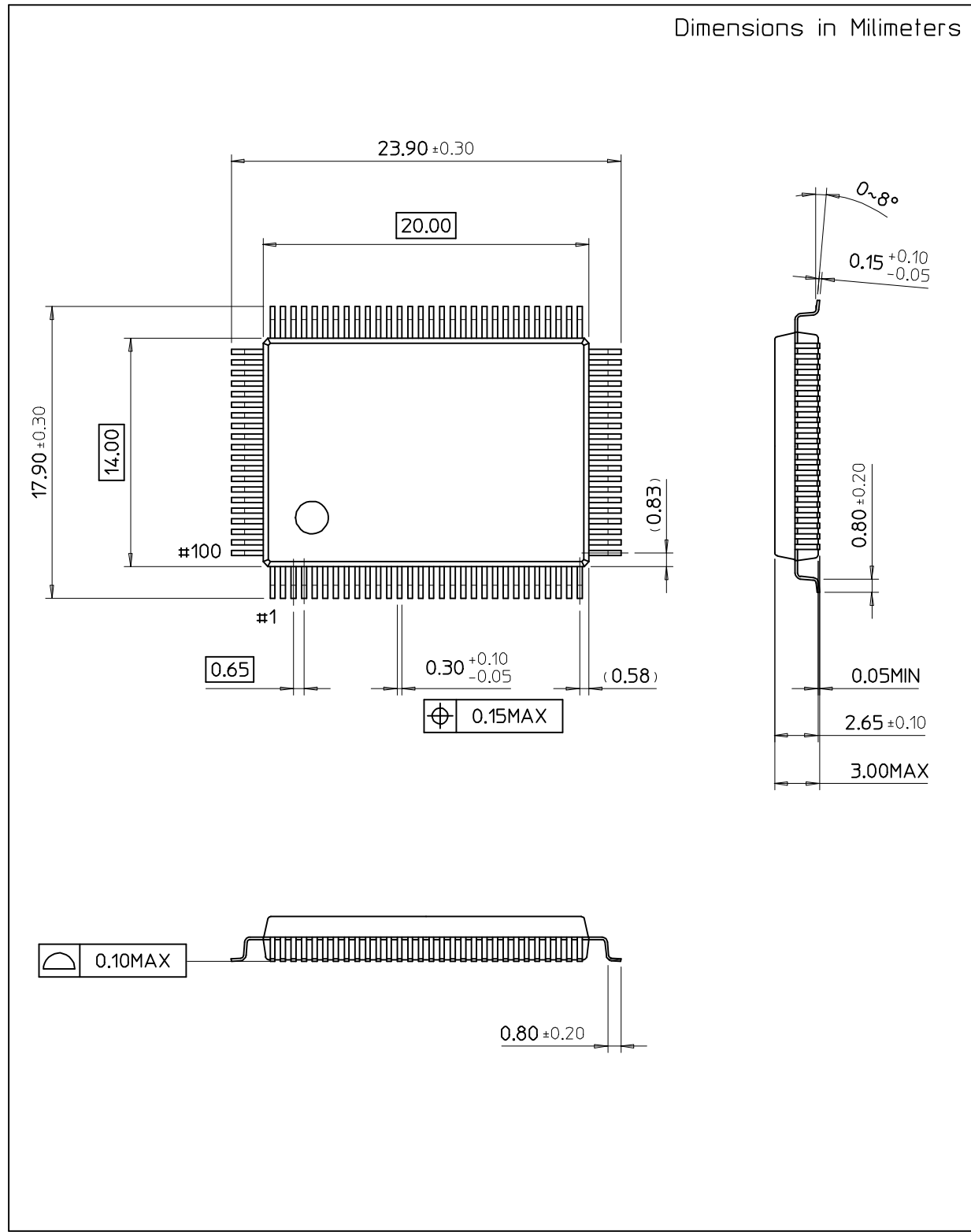
100-QFP-1420B

Dimensions in Millimeters



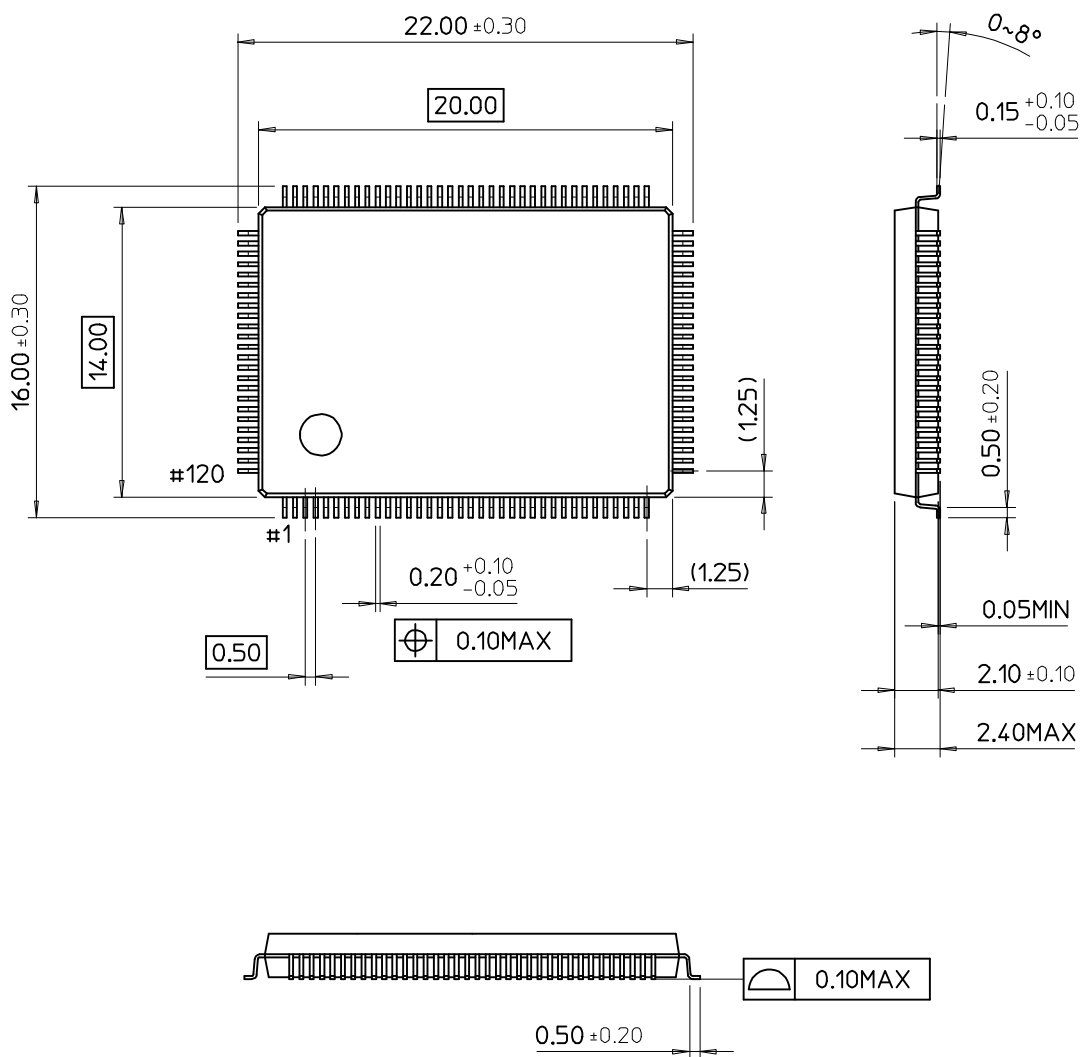
100-QFP-1420C

Dimensions in Millimeters



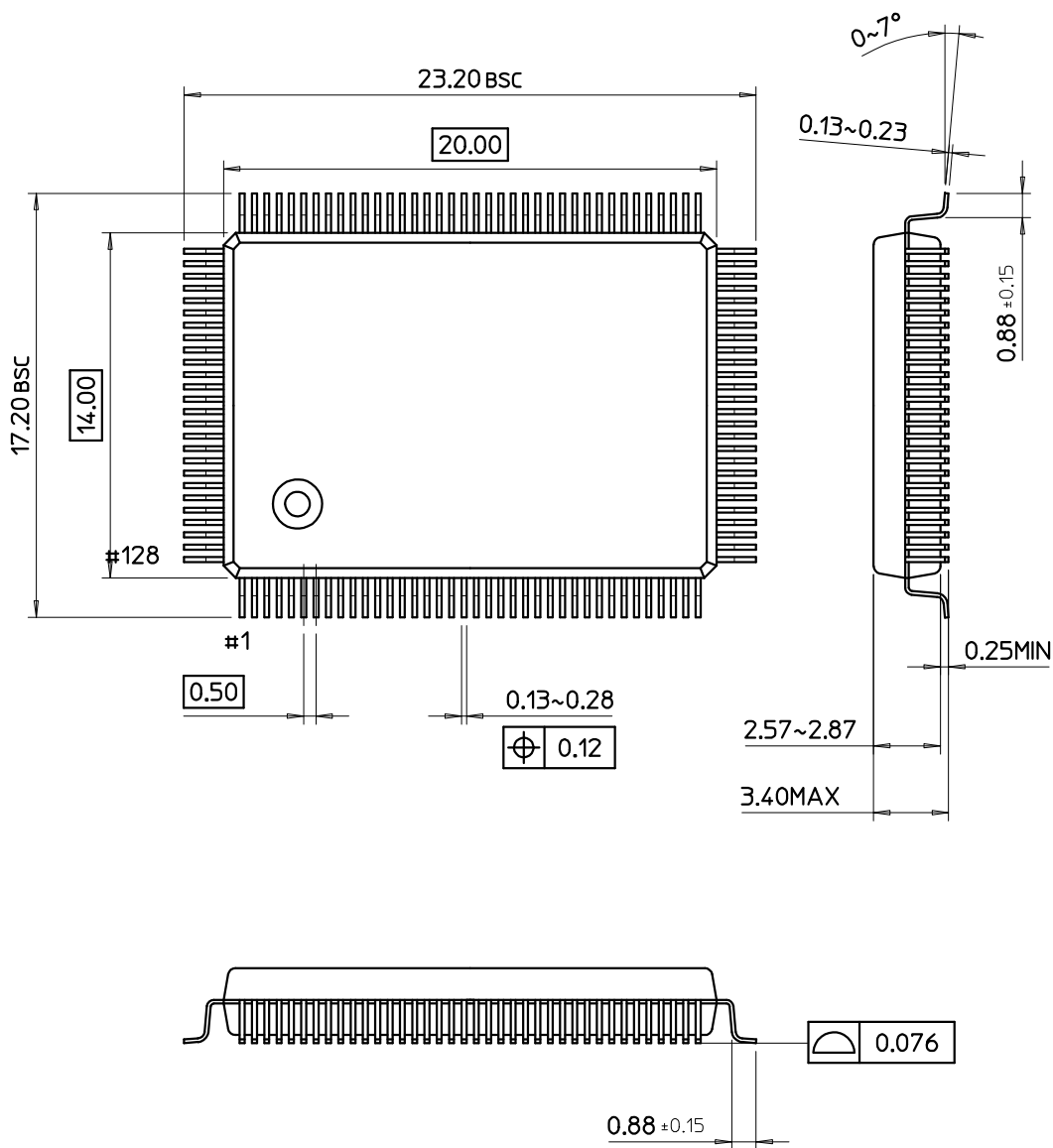
120-QFP-1420

Dimensions in Millimeters



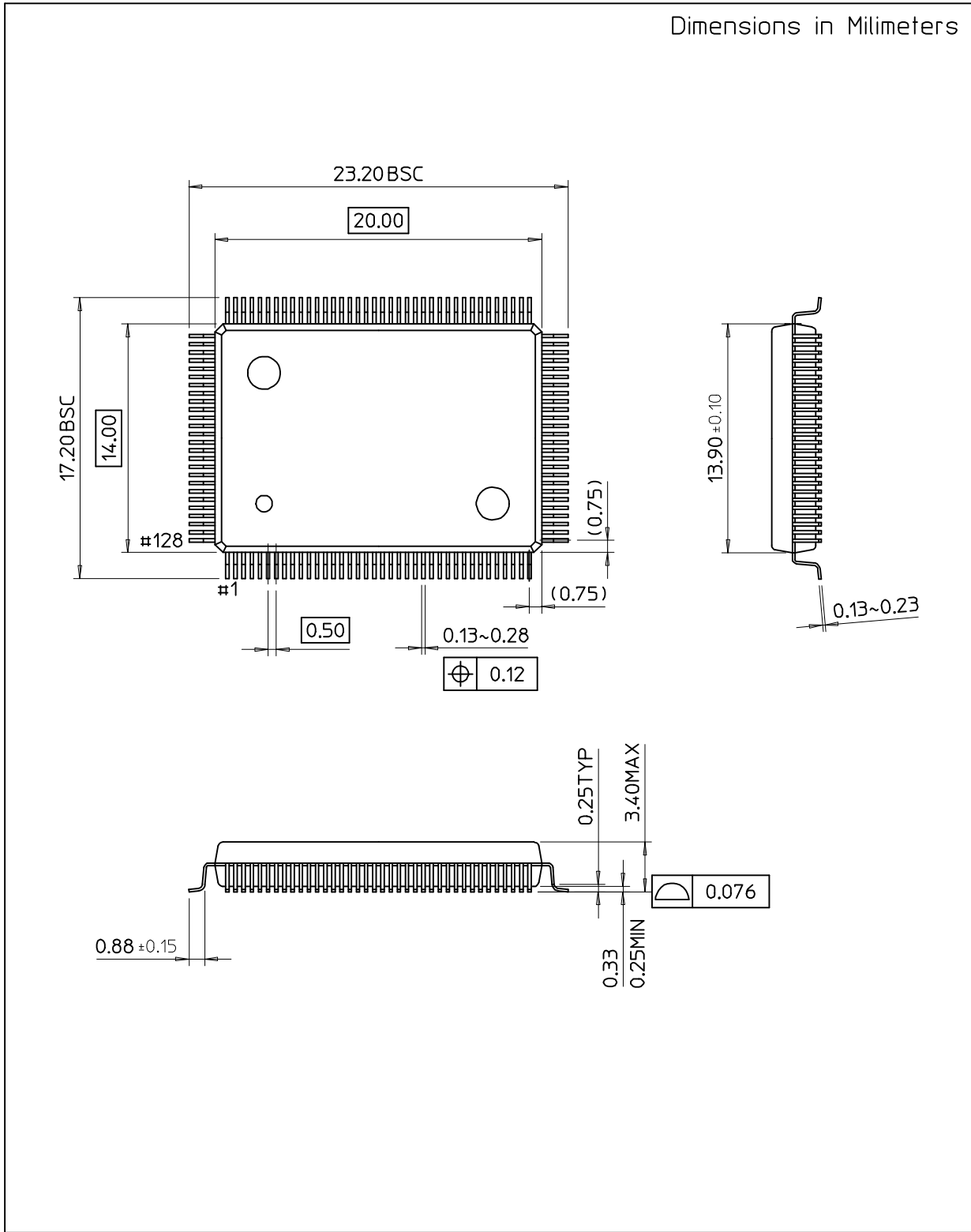
128-QFP-1420-AN

Dimensions in Millimeters



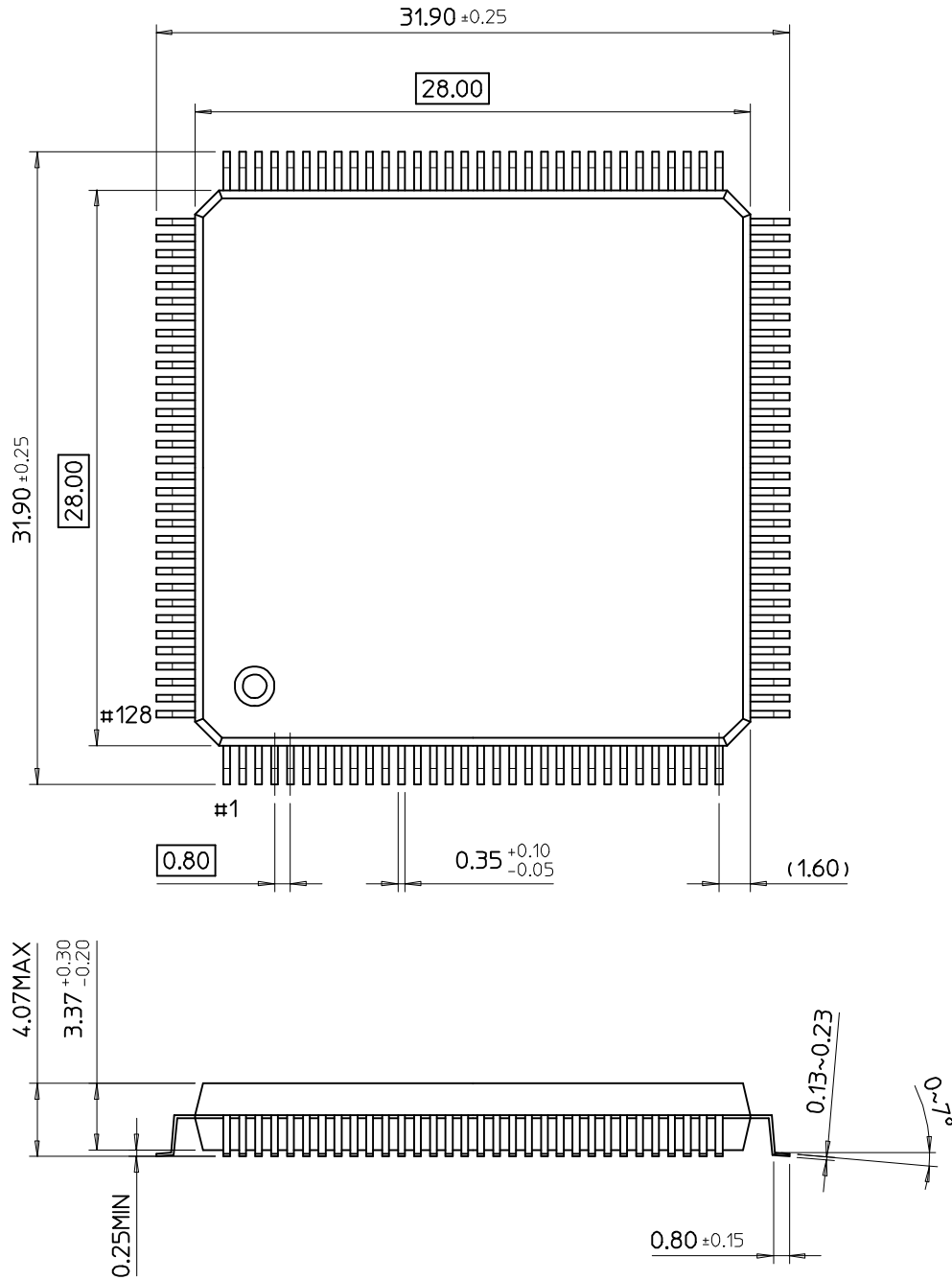
128-QFP-1420A

Dimensions in Millimeters



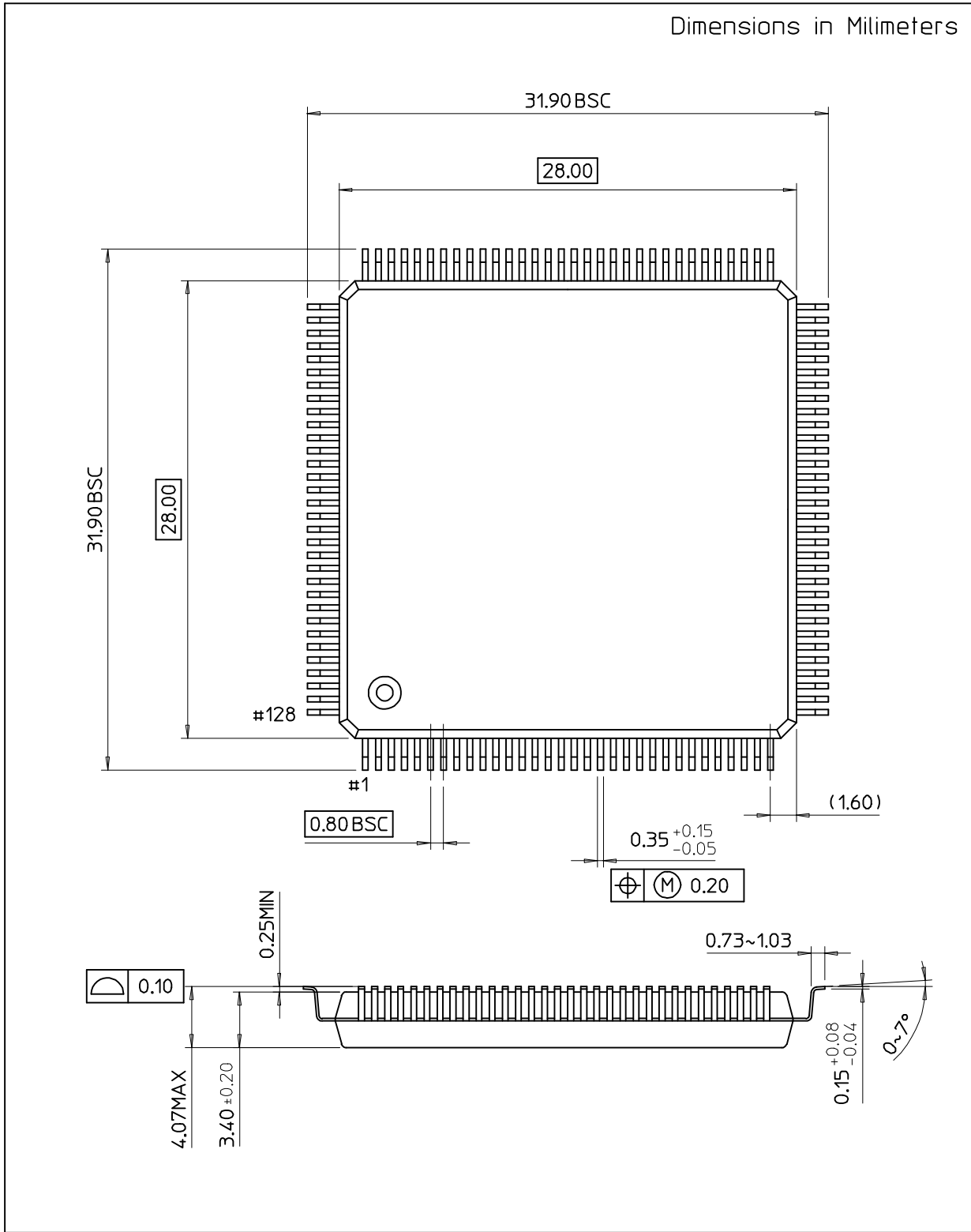
128-QFP-2828-AN

Dimensions in Millimeters



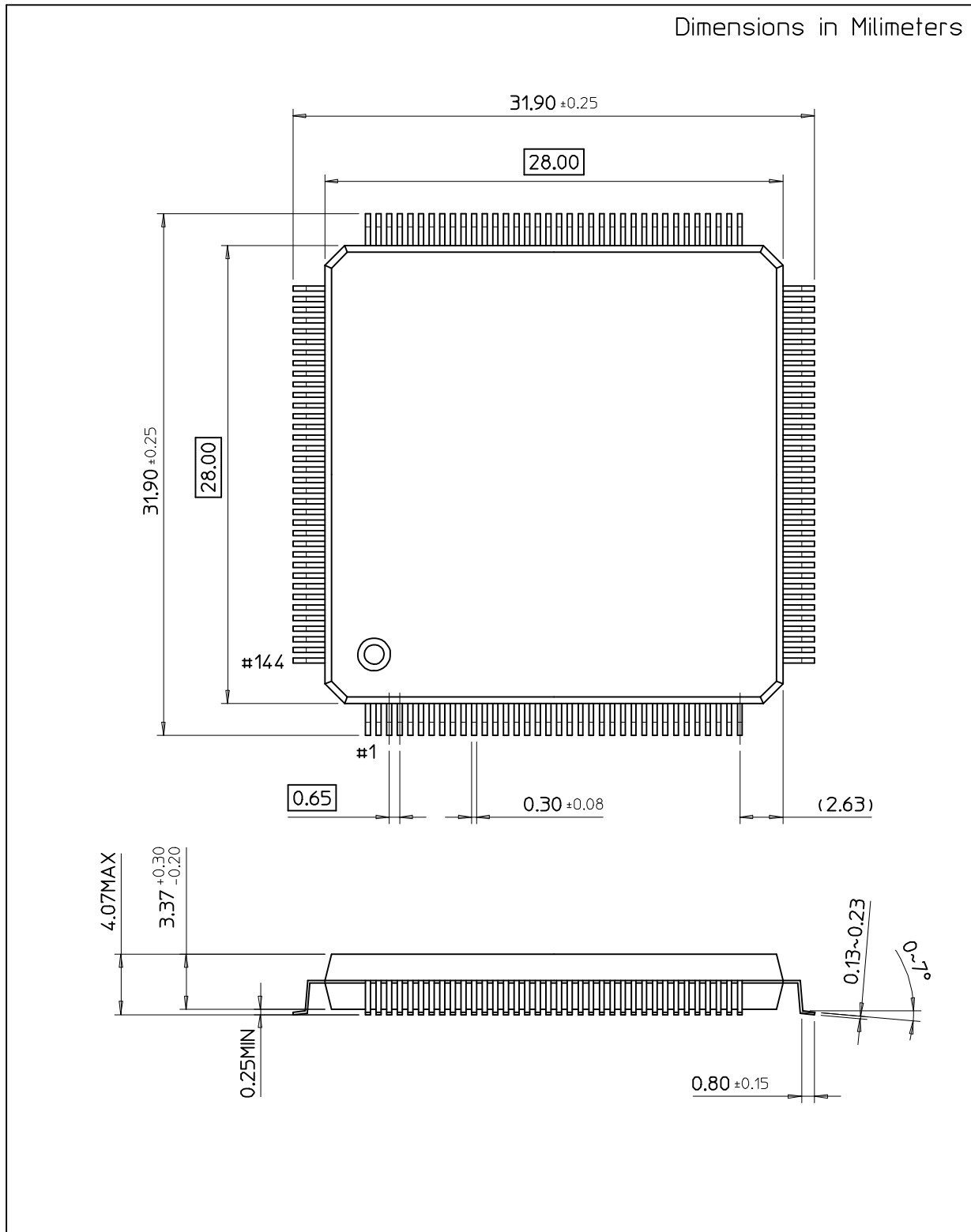
128-SPQ-2828R

Dimensions in Millimeters



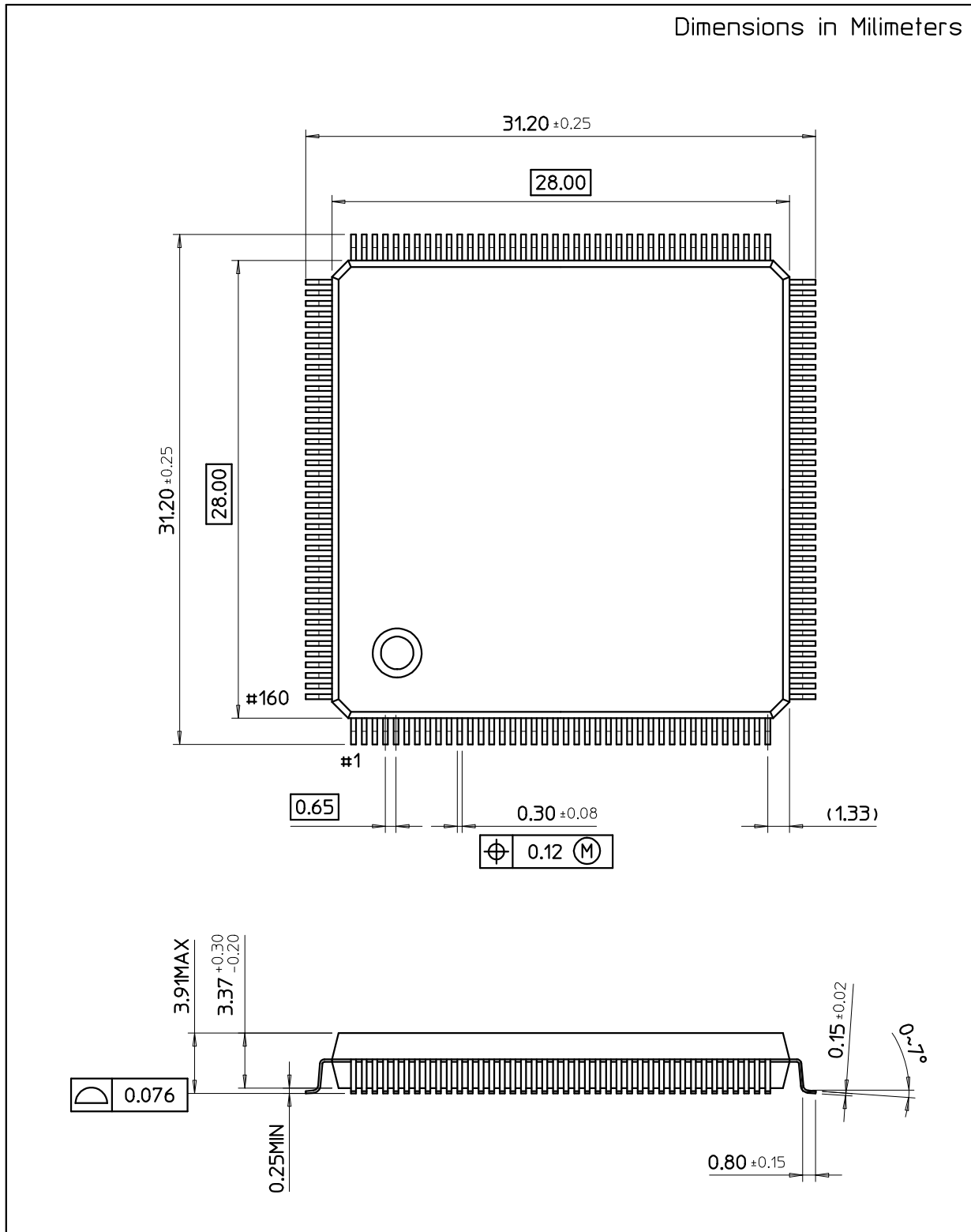
144-QFP-2828-AN

Dimensions in Millimeters



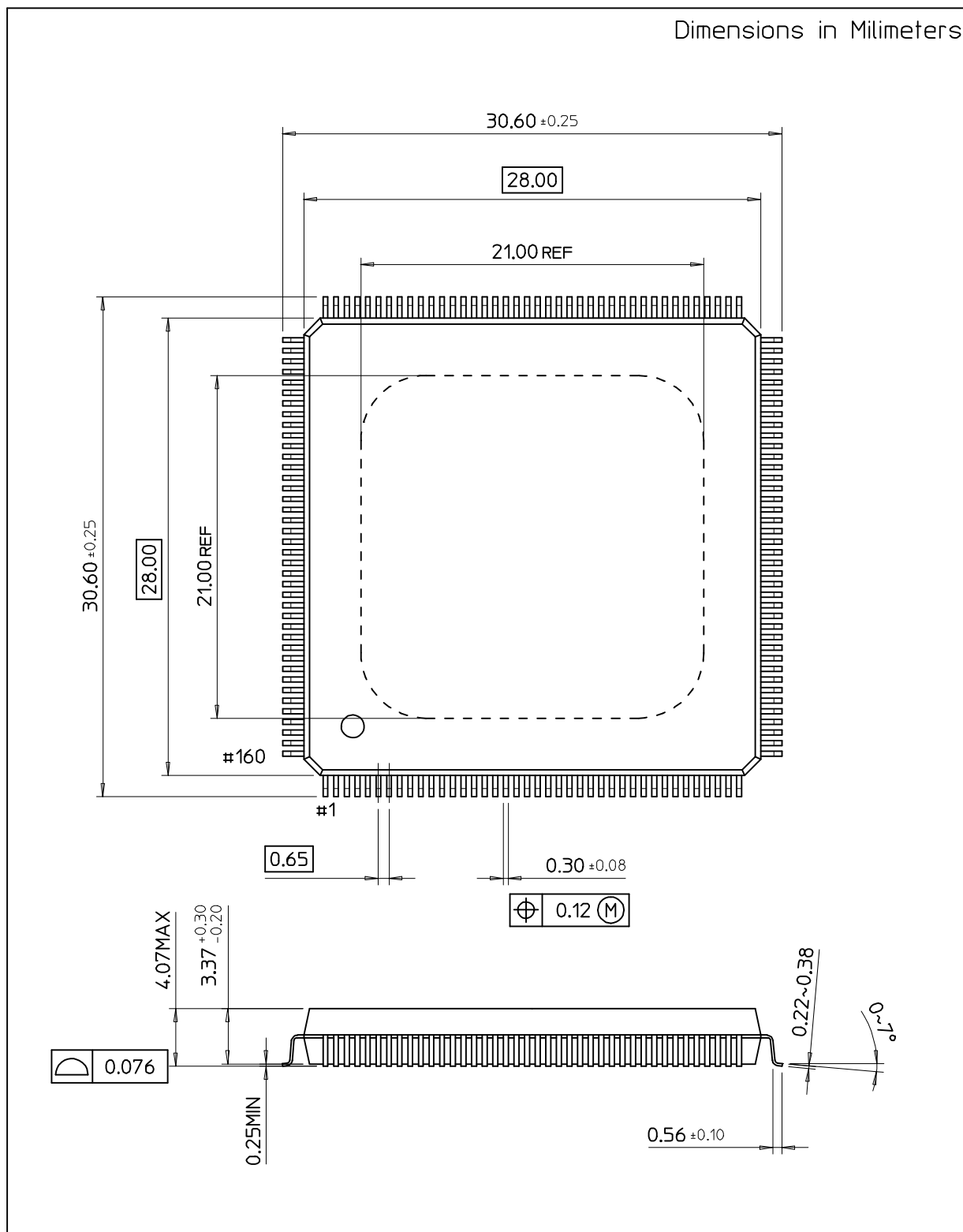
160-QFP-2828-AN1

Dimensions in Millimeters



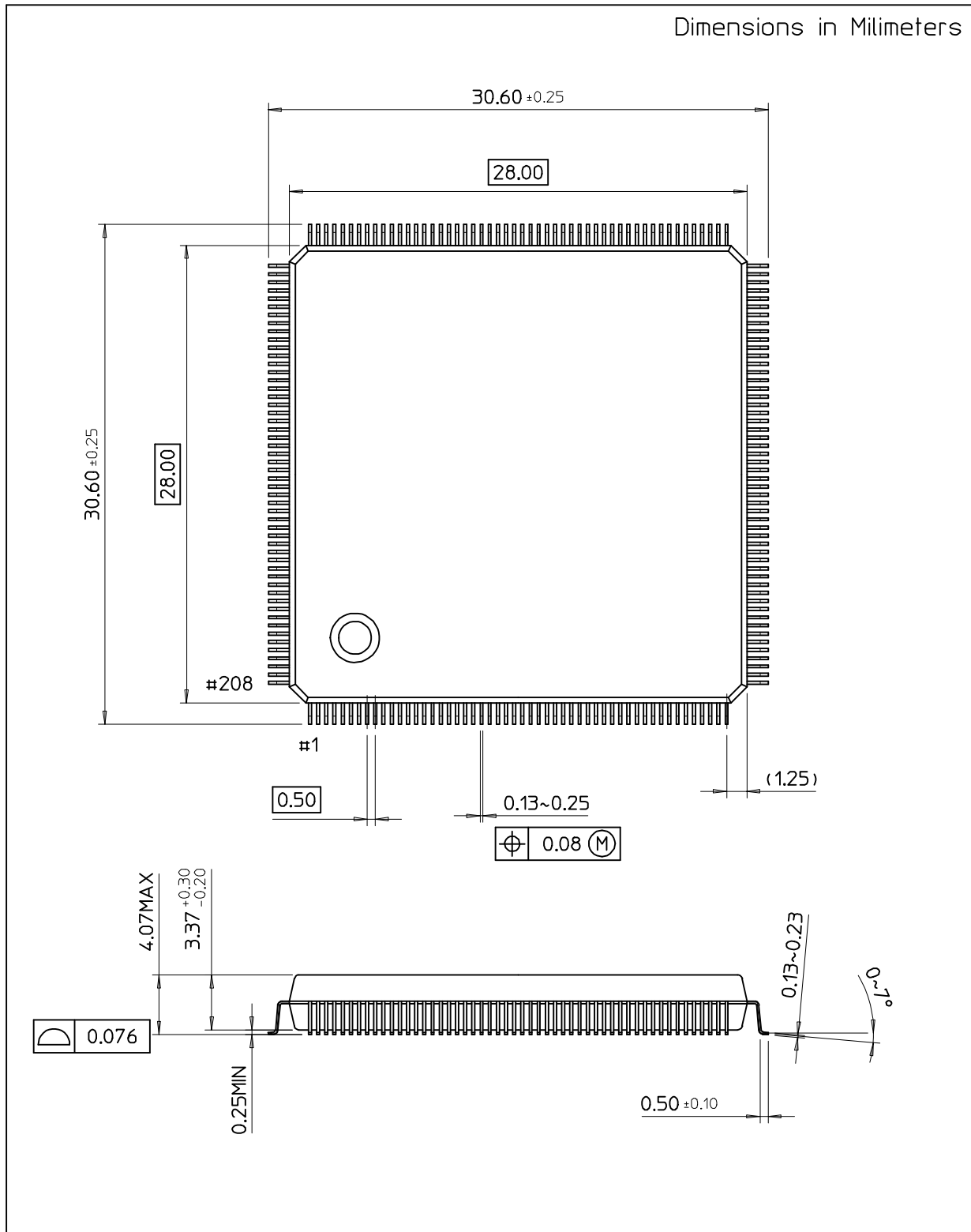
160-QUAD-2828-AN

Dimensions in Millimeters



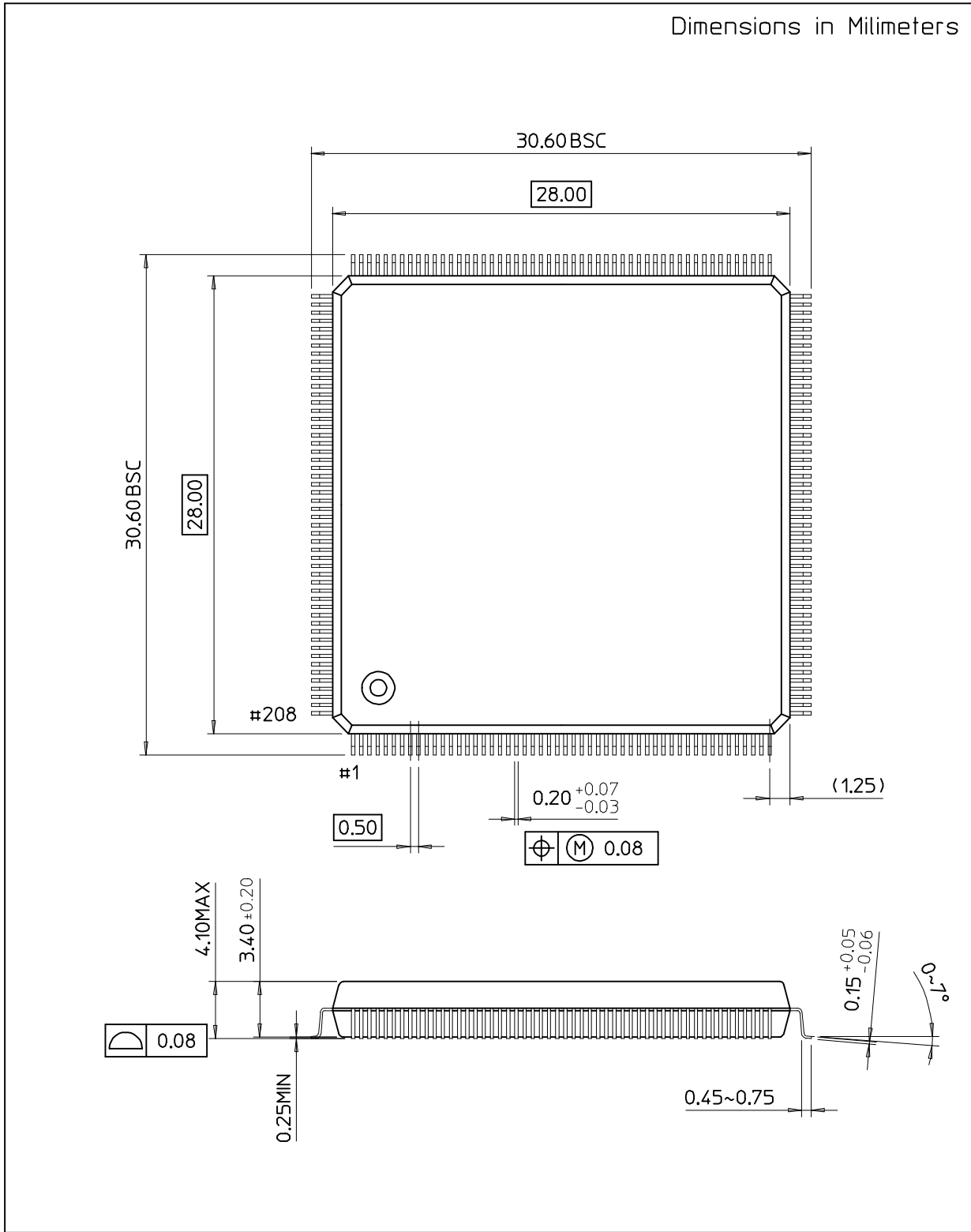
208-QFP-2828-AN2

Dimensions in Millimeters



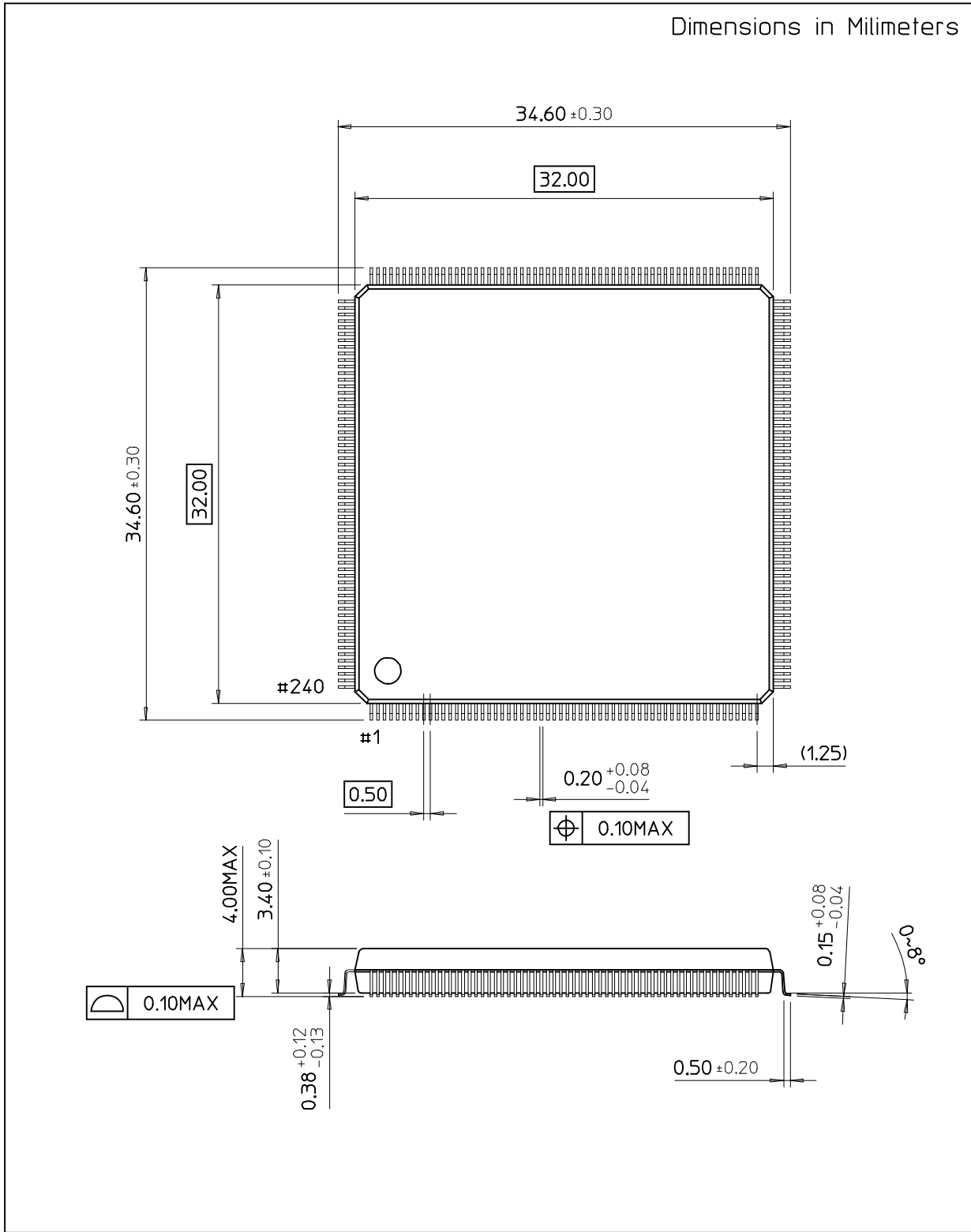
208-QFP-2828B

Dimensions in Millimeters



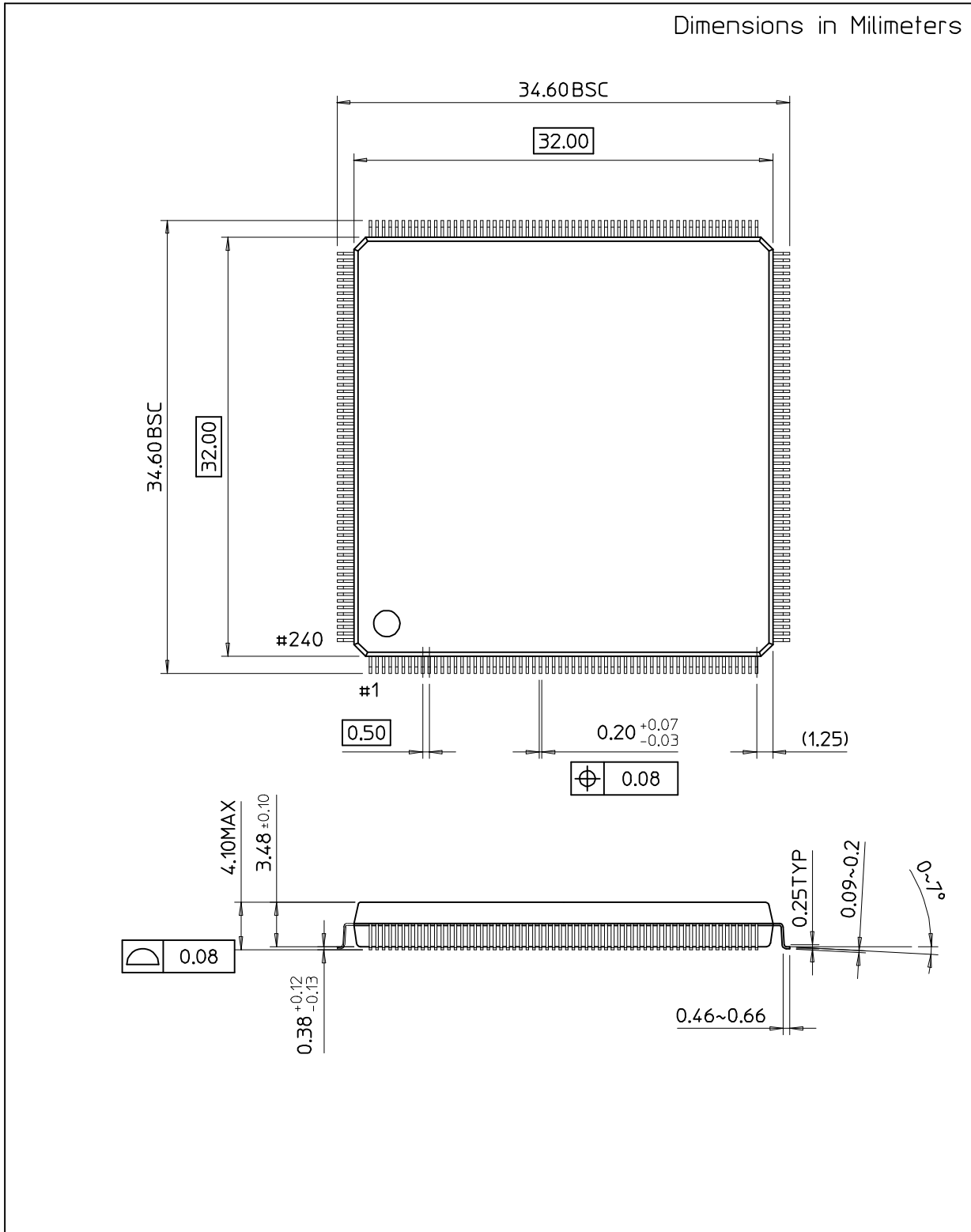
240-QFP-3232

Dimensions in Millimeters



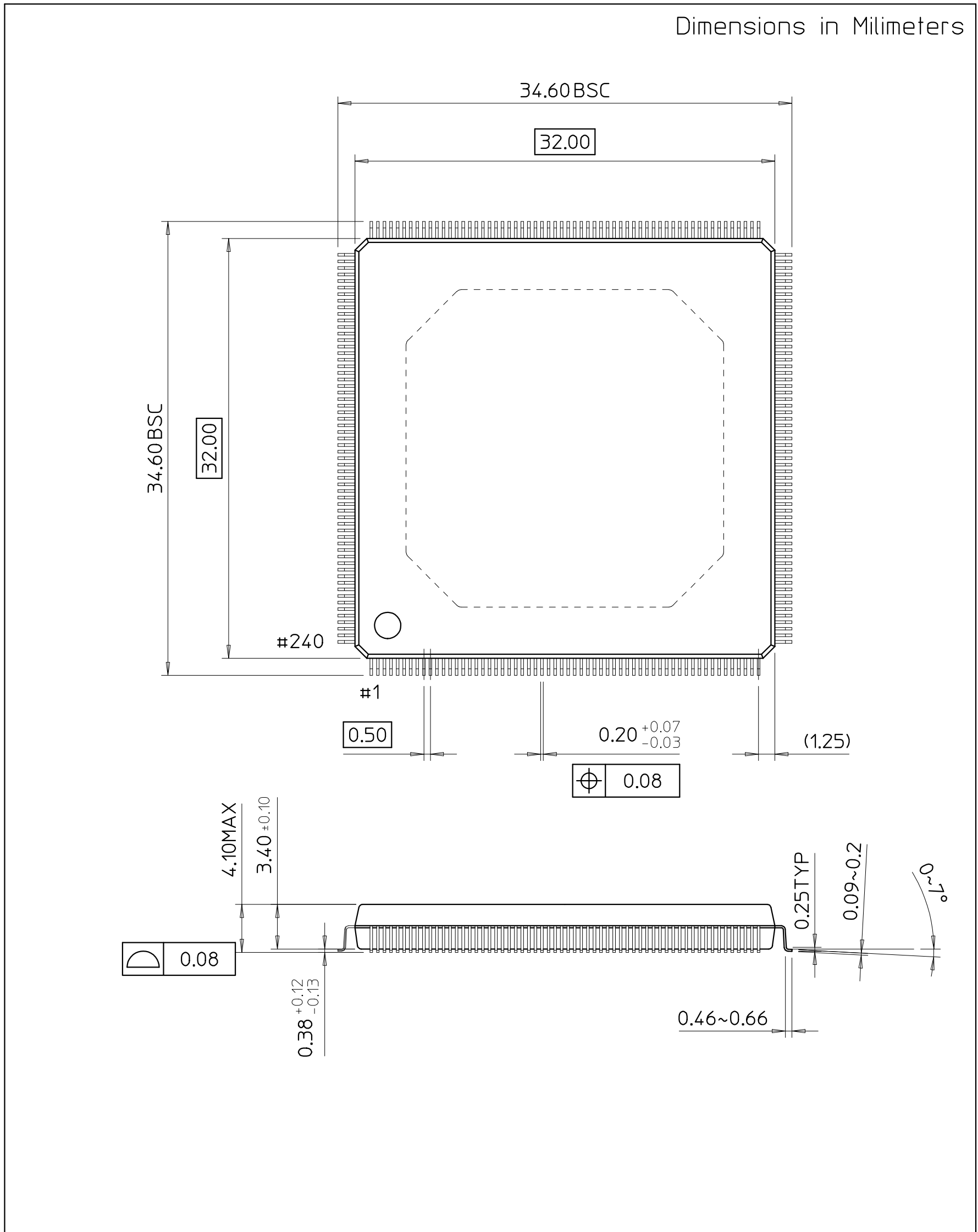
240-QFPH-3232-AN

Dimensions in Millimeters



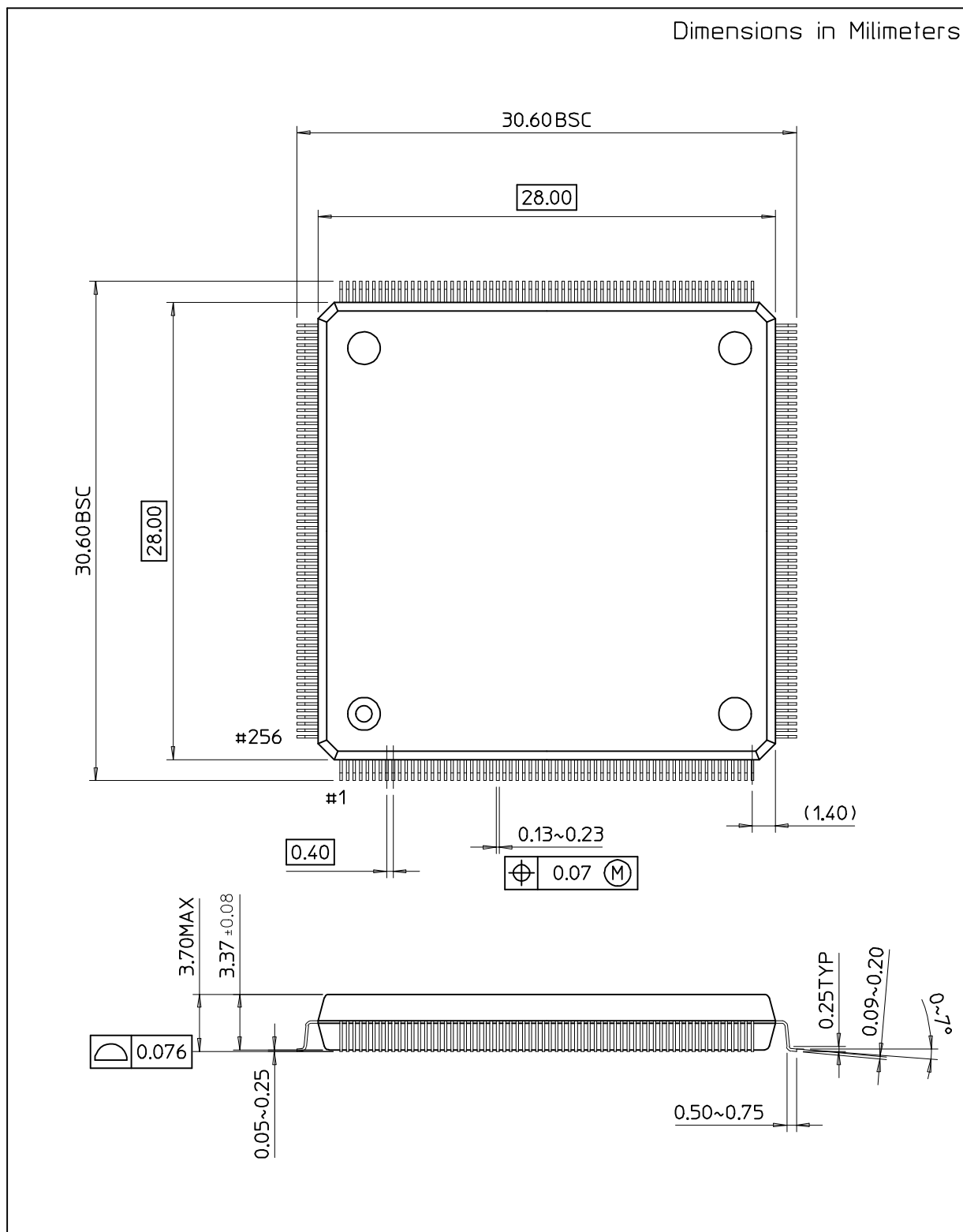
240-QFP/PQ2-3232-AN

Dimensions in Milimeters



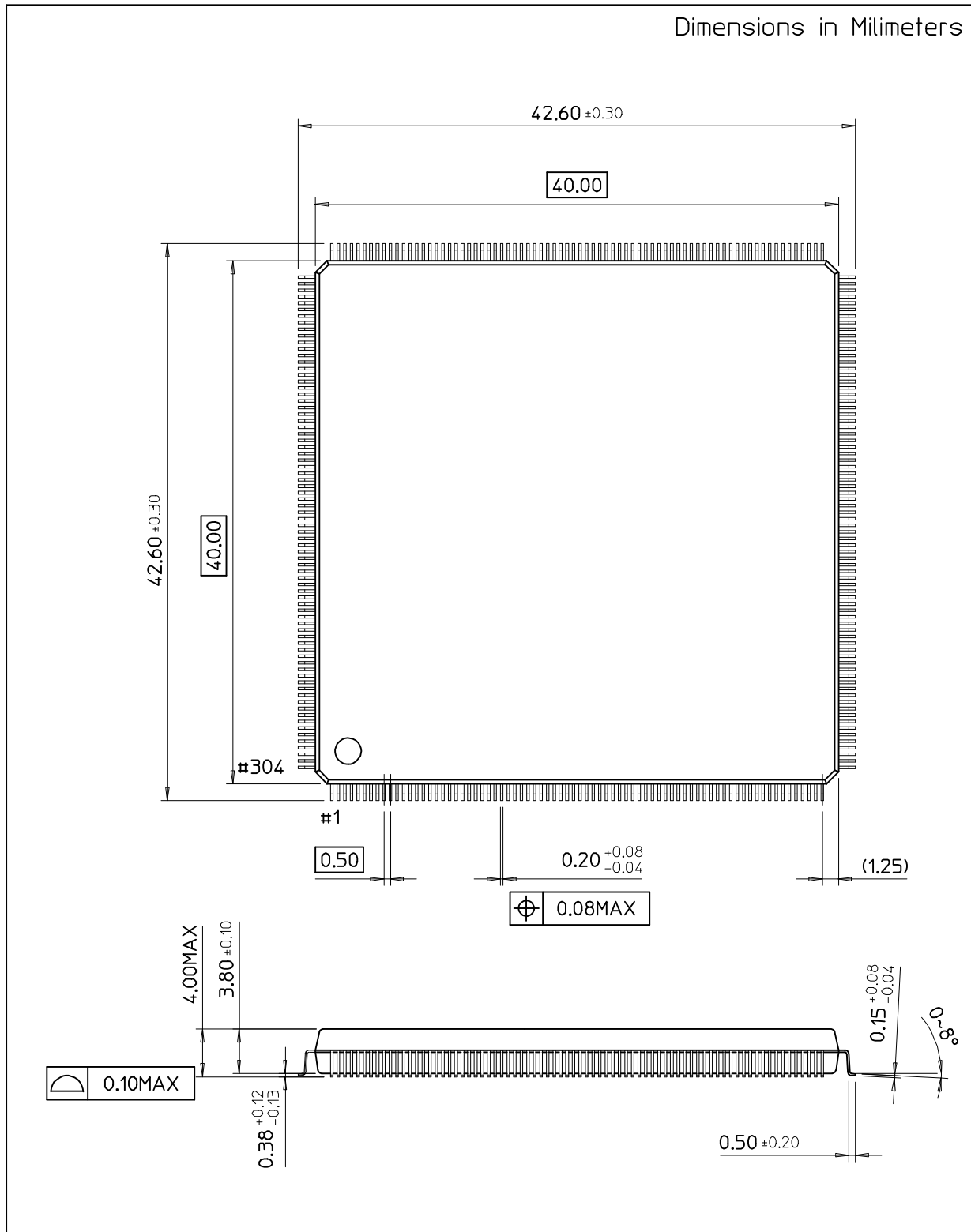
256-QFP-2828-AN

Dimensions in Millimeters



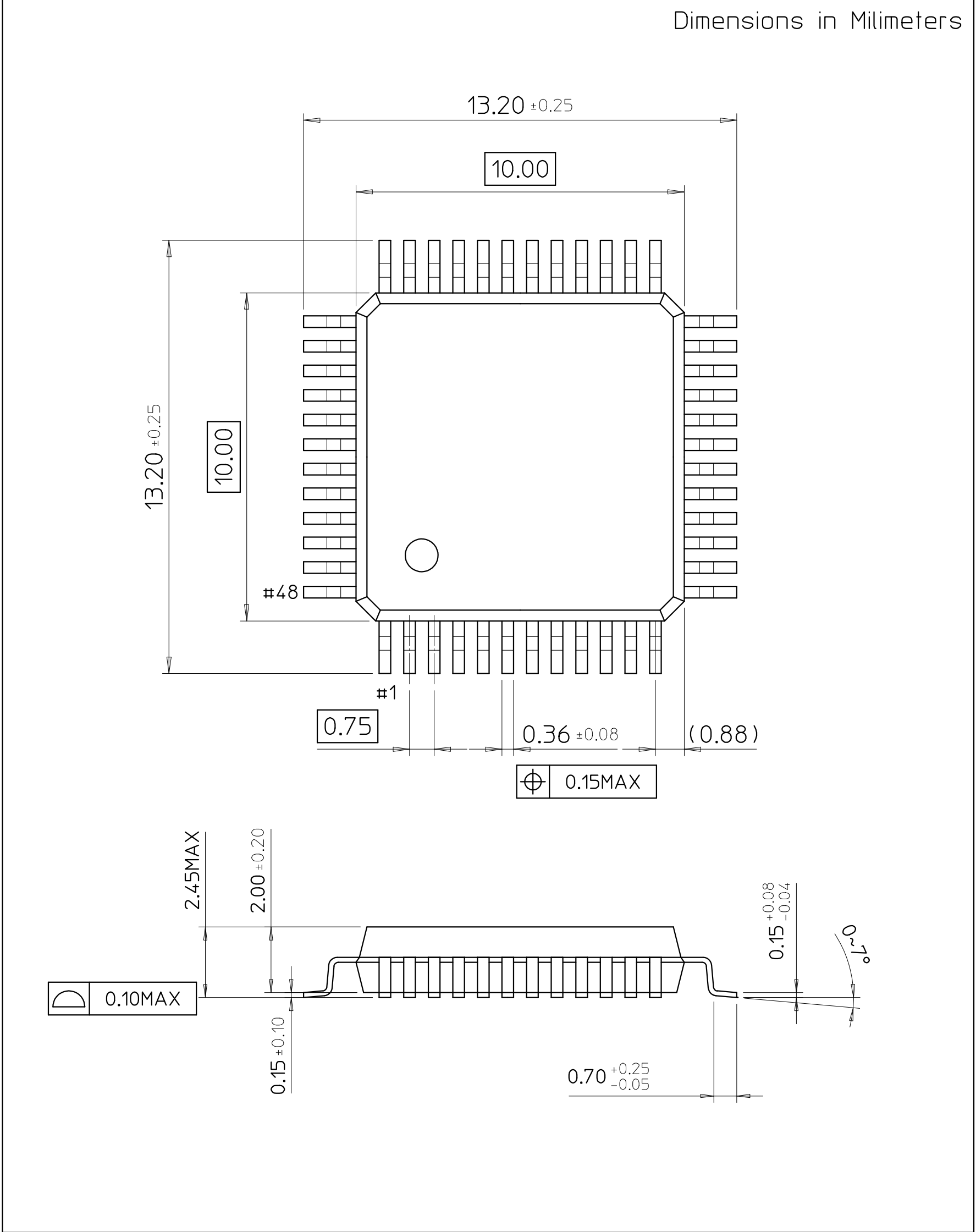
304-QFP-4040-AN

Dimensions in Millimeters



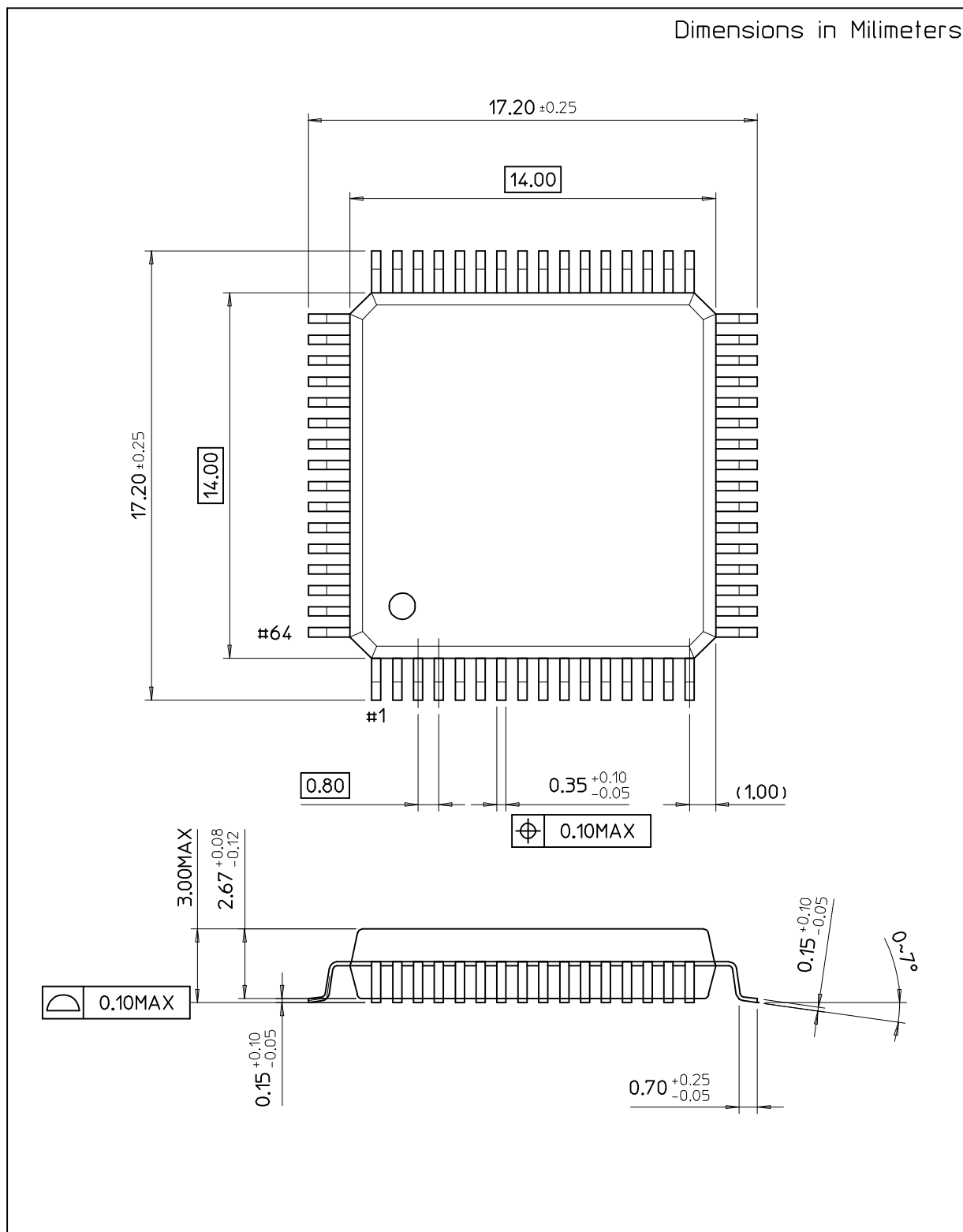
48-QFP-1010-SIG

Dimensions in Millimeters



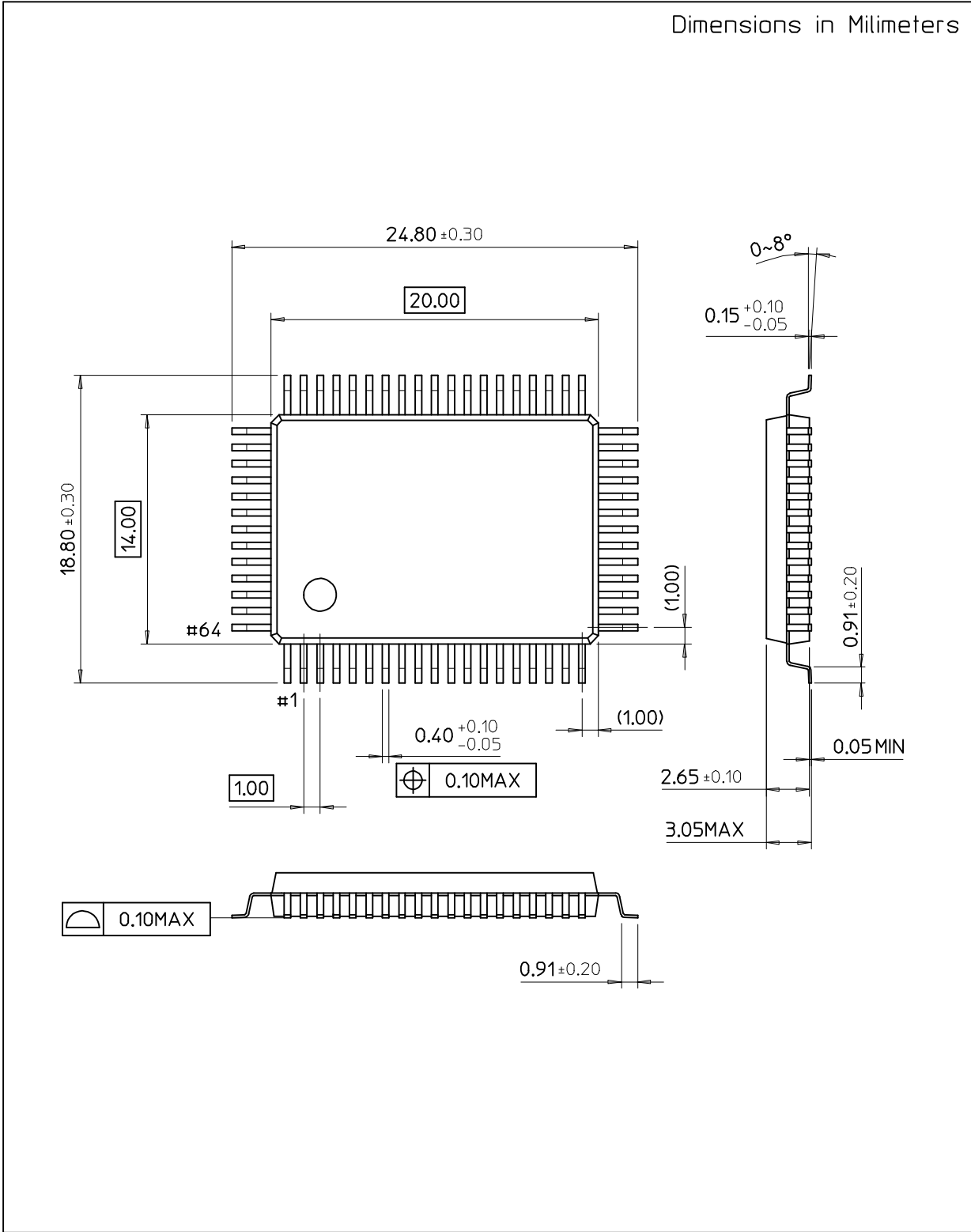
64-QFP-1414-AAPI

Dimensions in Millimeters



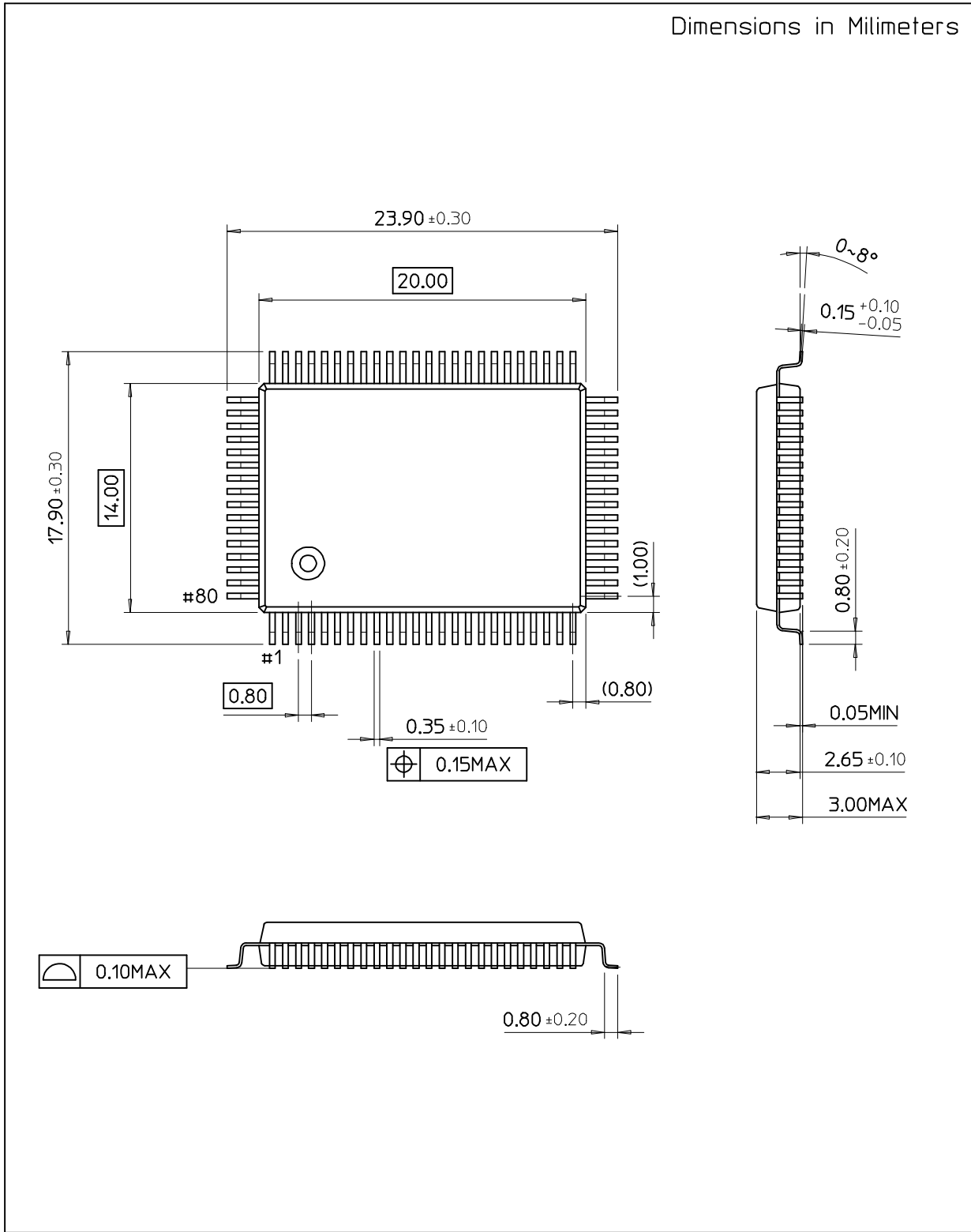
64-QFP-1420B

Dimensions in Millimeters



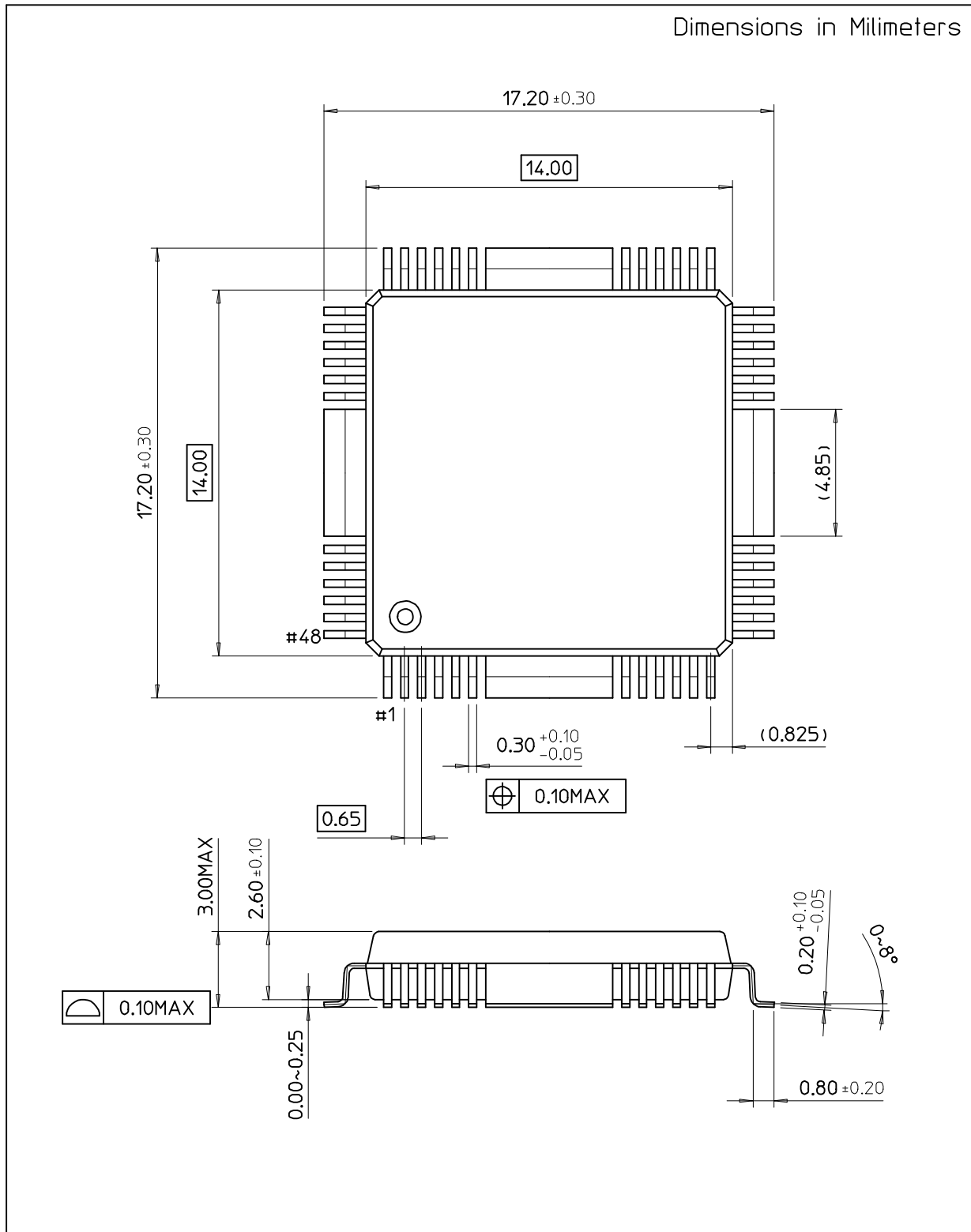
80-QFP-1420C

Dimensions in Millimeters



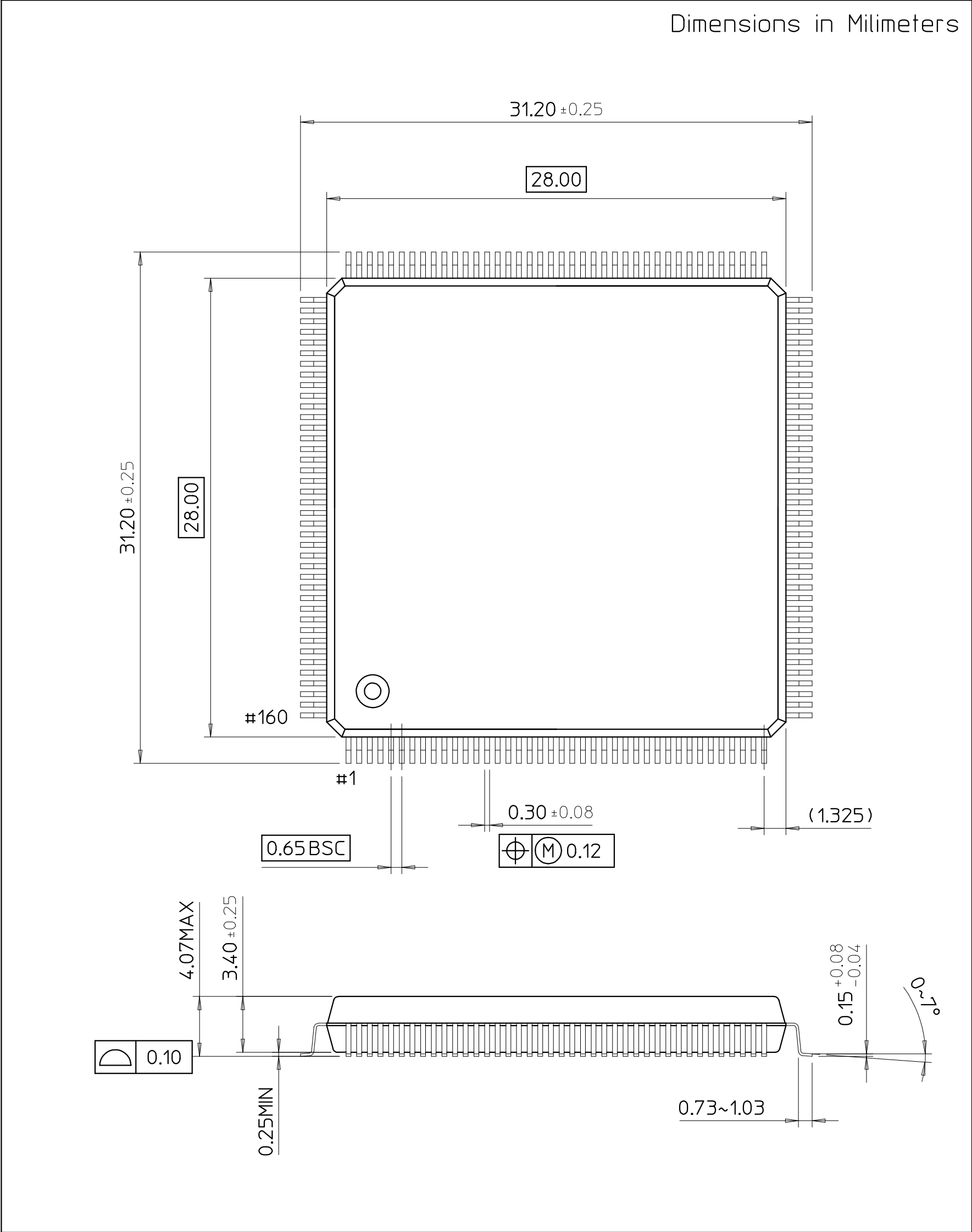
48-QFPH-1414

Dimensions in Millimeters



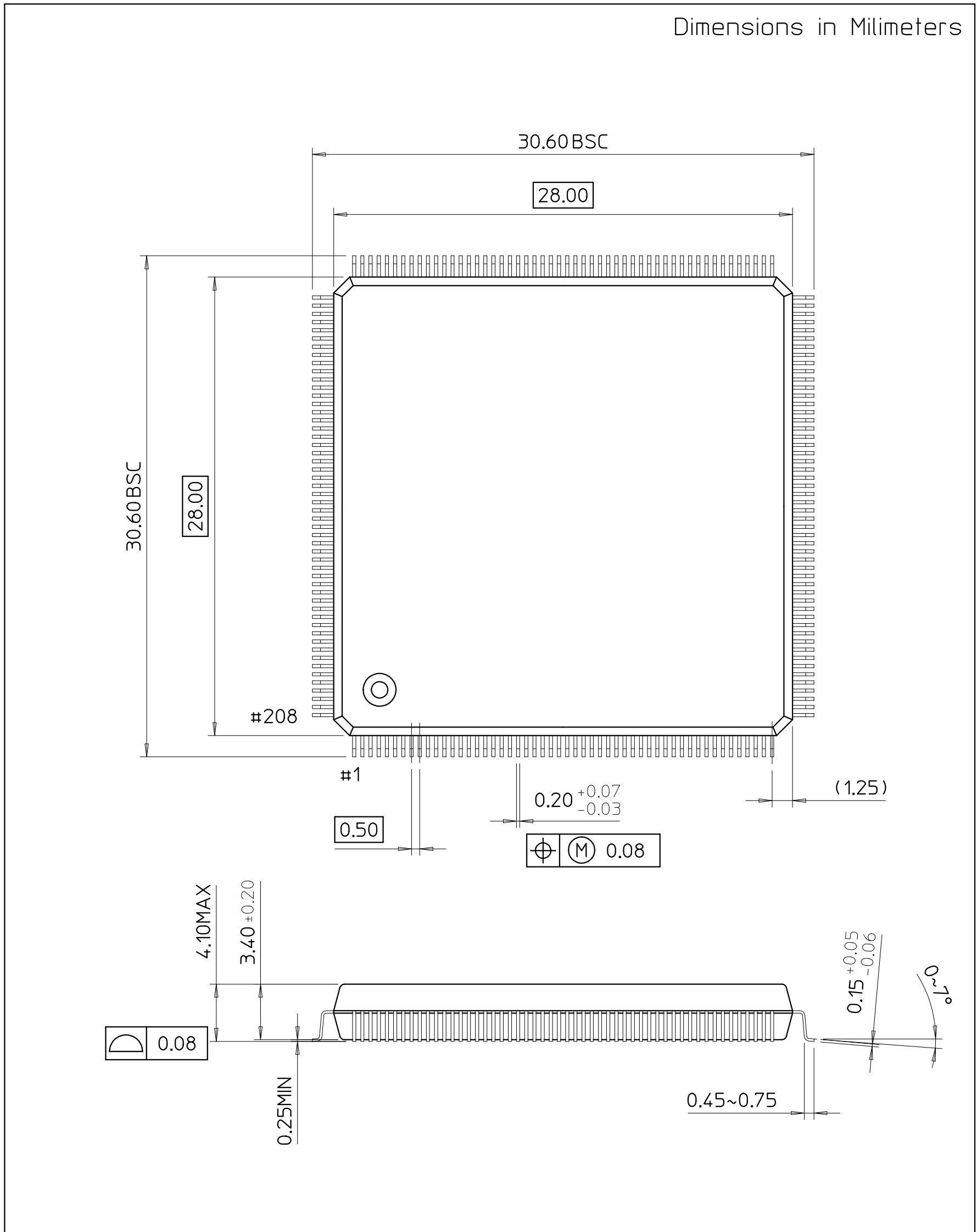
160-QFPH-2828B

Dimensions in Milimeters



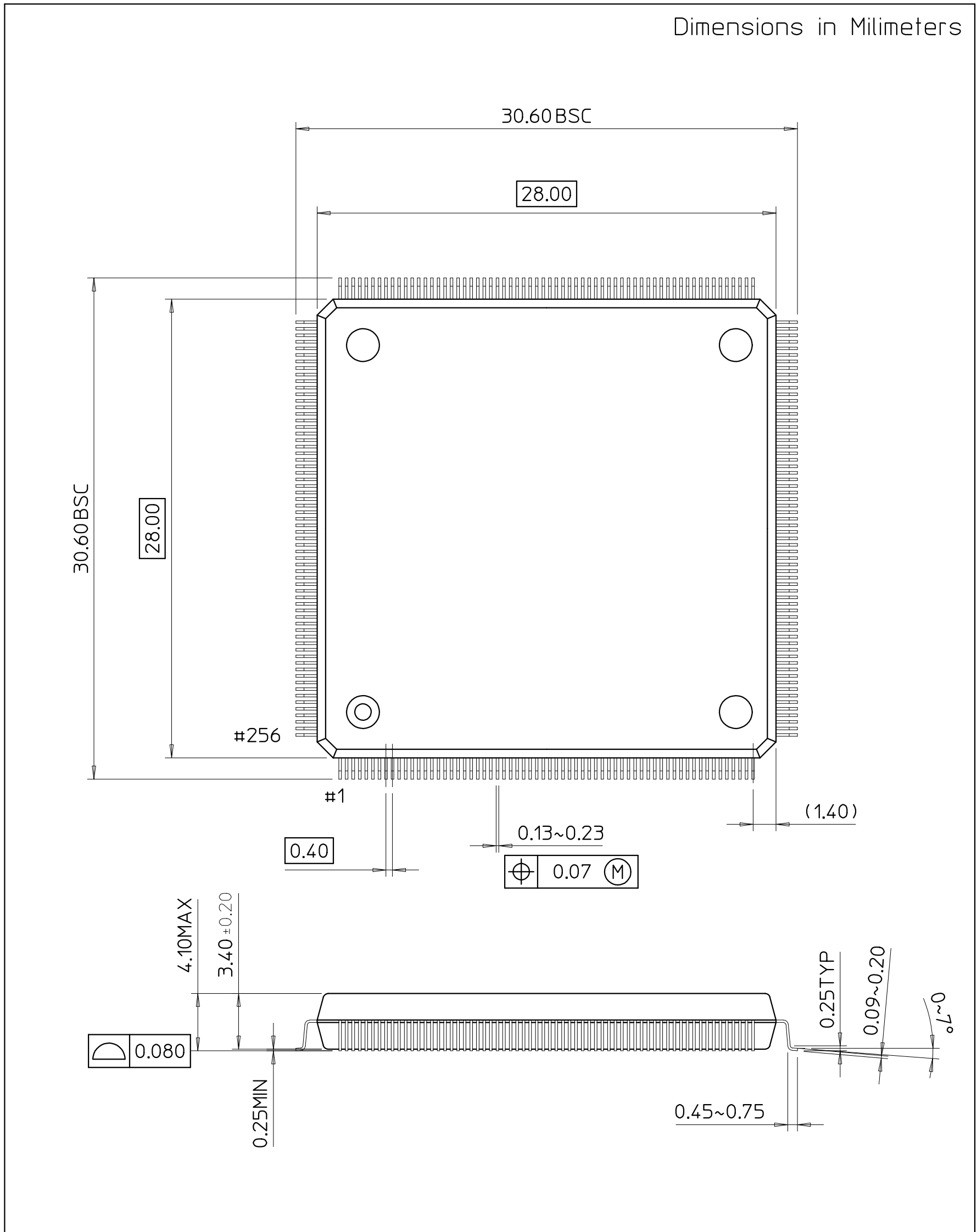
208-QFPH-2828B

Dimensions in Millimeters



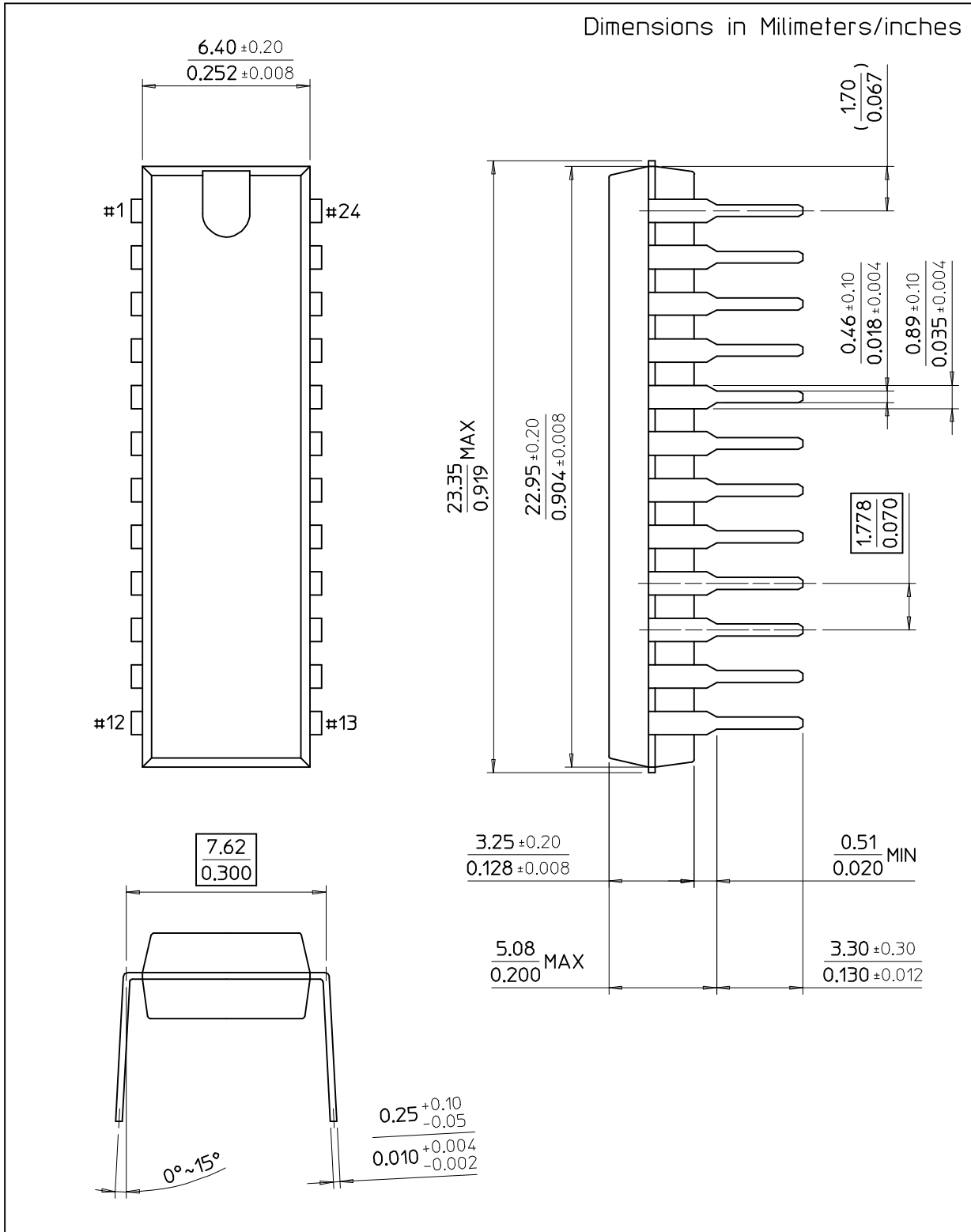
256-QFPH-2828

Dimensions in Millimeters



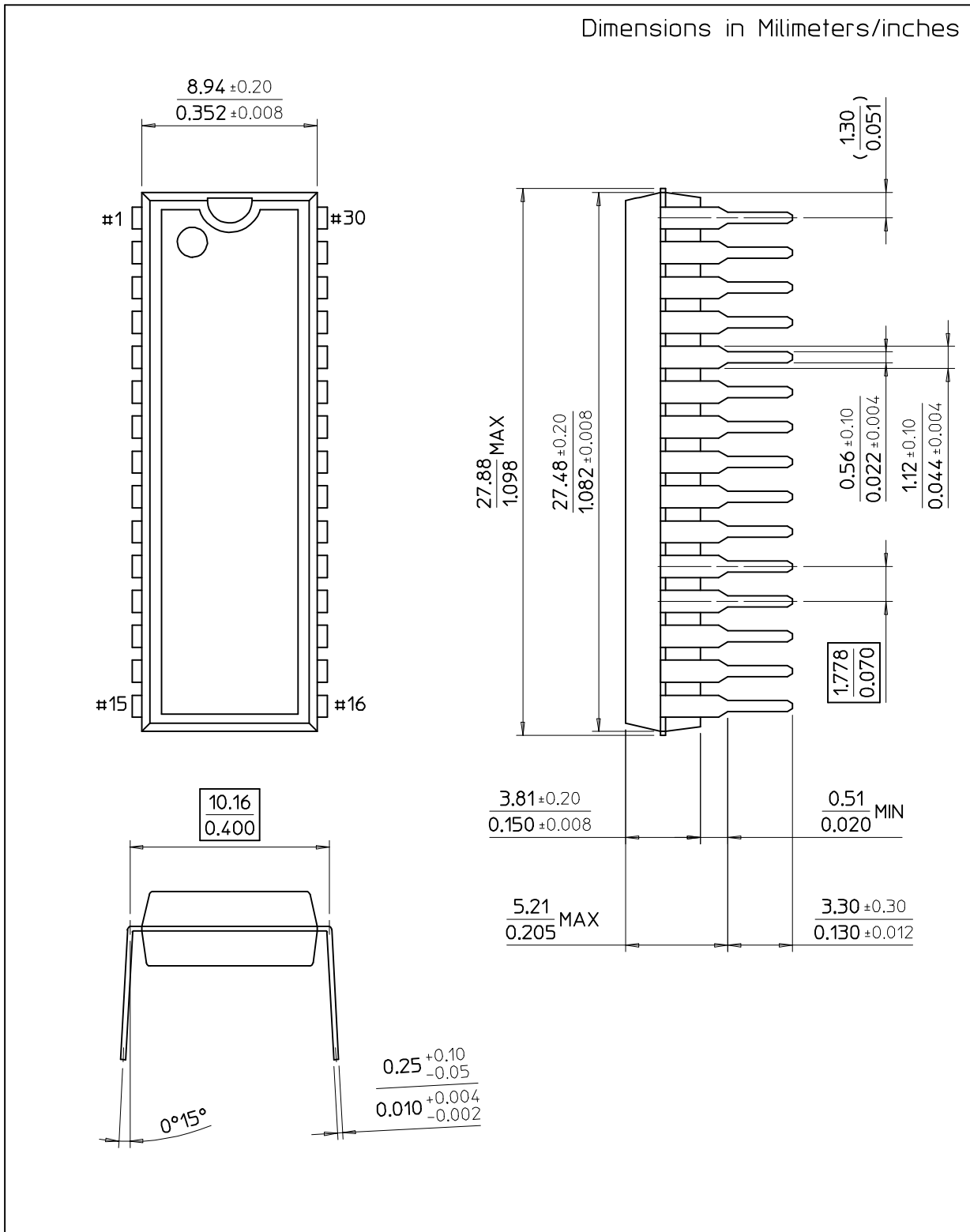
24-SDIP-300

Dimensions in Millimeters/inches



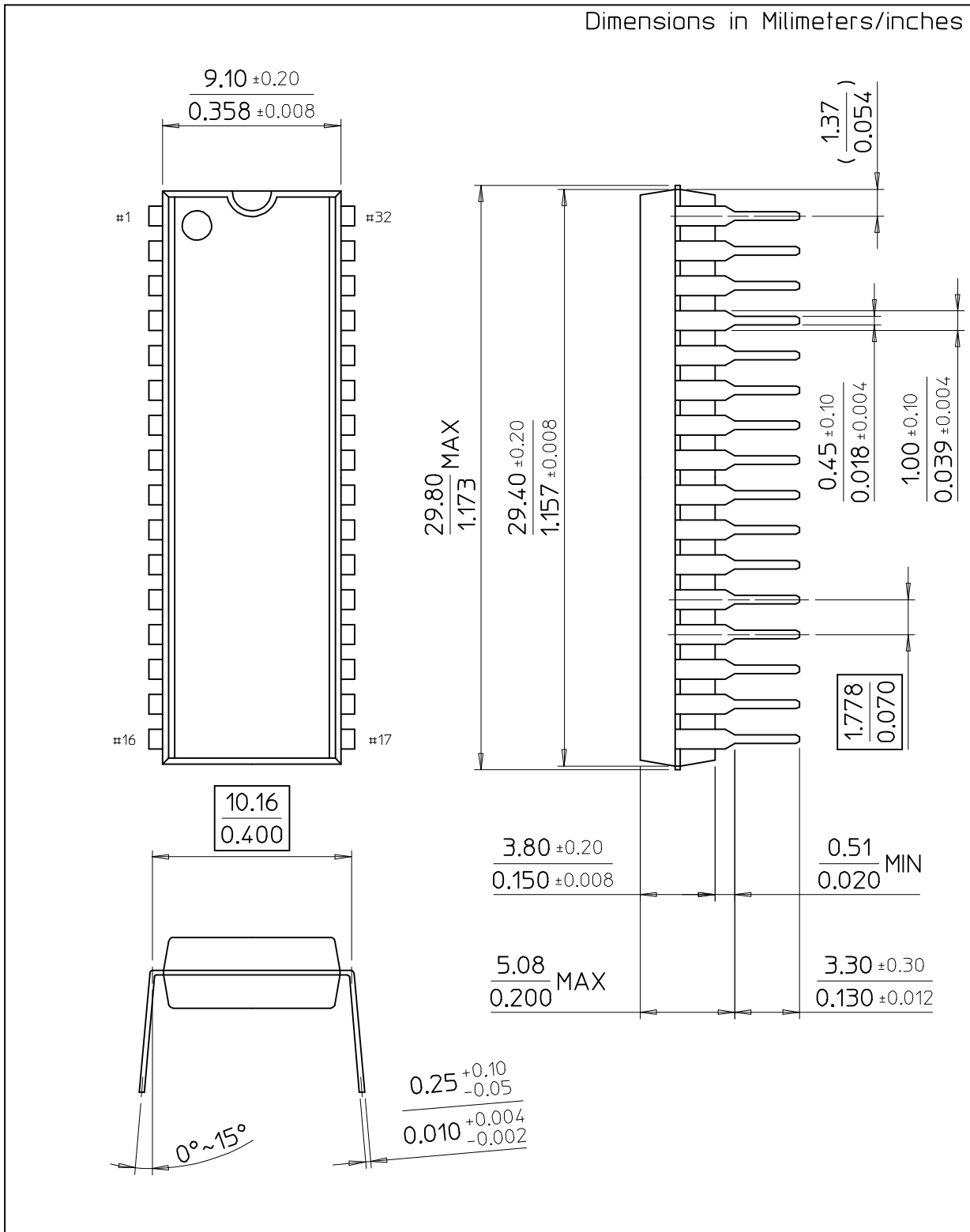
30-SDIP-400

Dimensions in Millimeters/inches



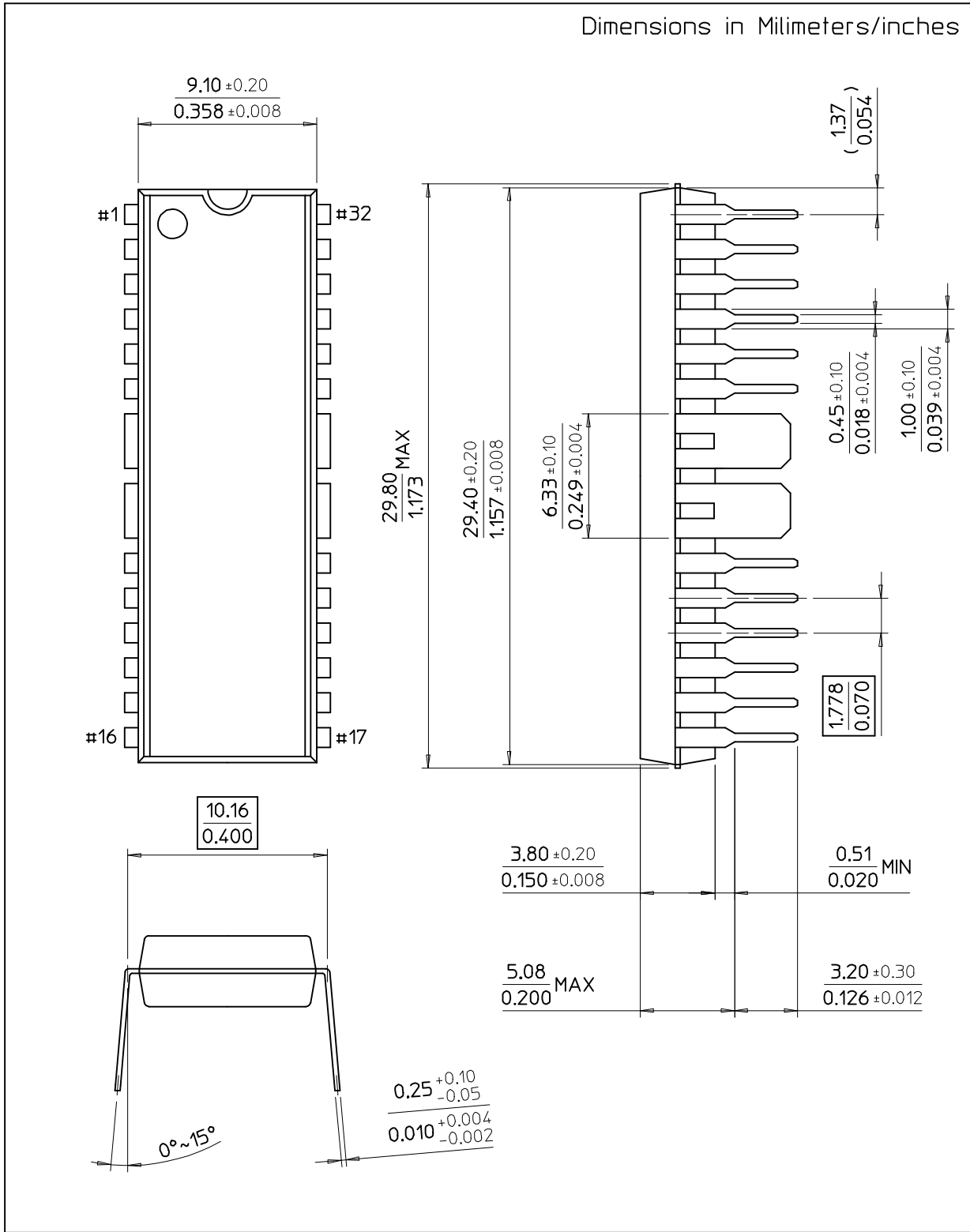
32-SDIP-400

Dimensions in Millimeters/inches



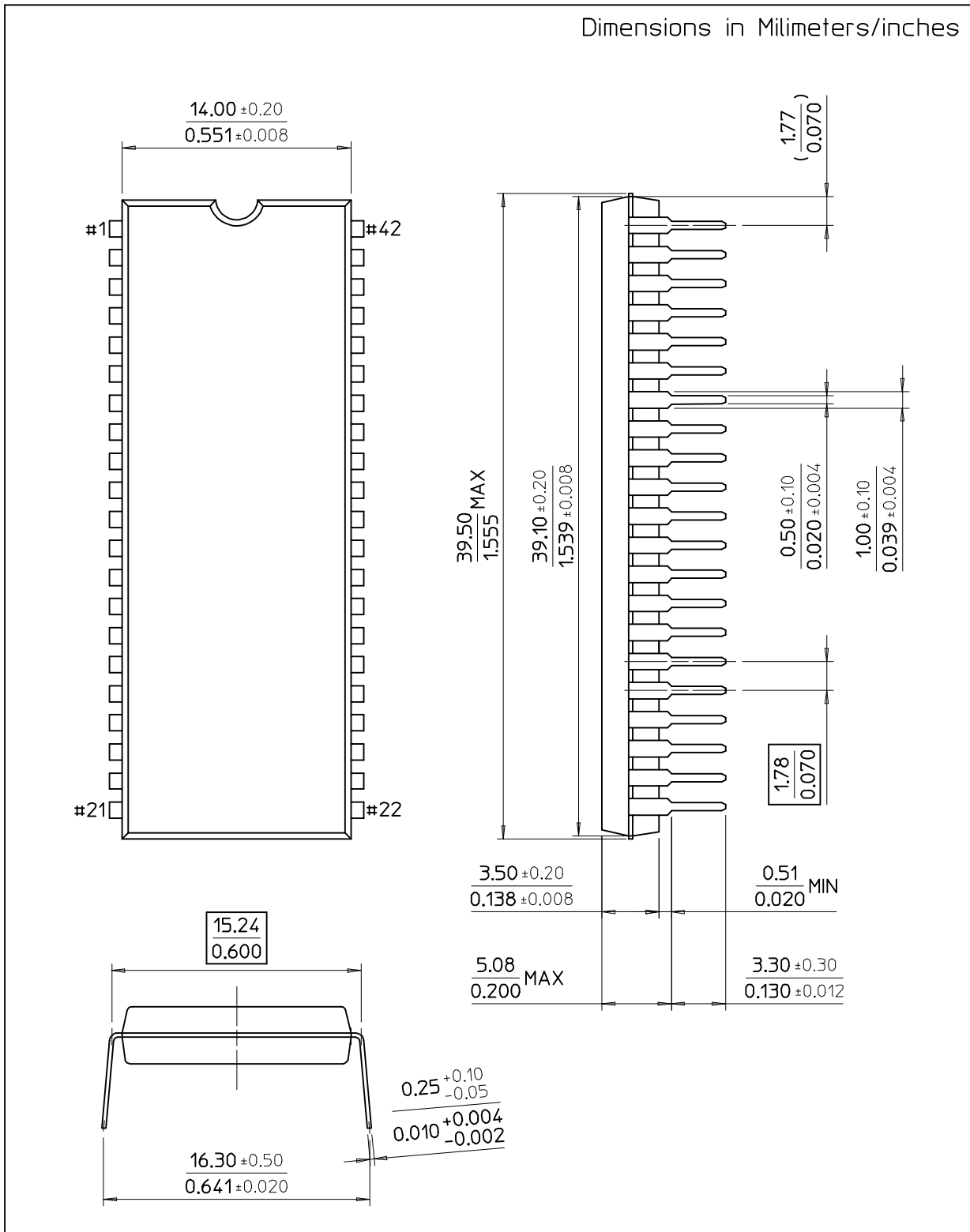
32-SDIPH-400

Dimensions in Millimeters/inches



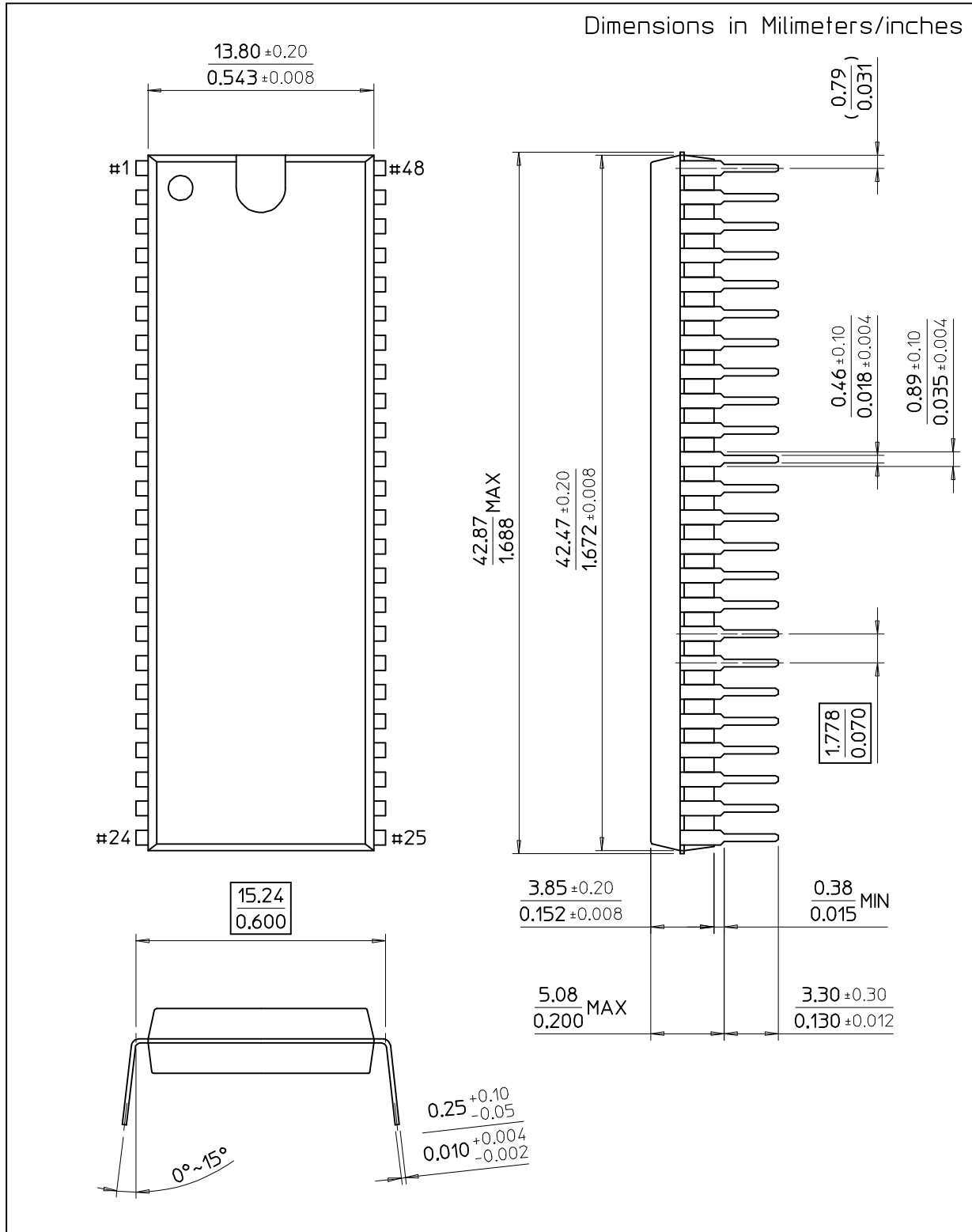
42-SDIP-600

Dimensions in Millimeters/inches



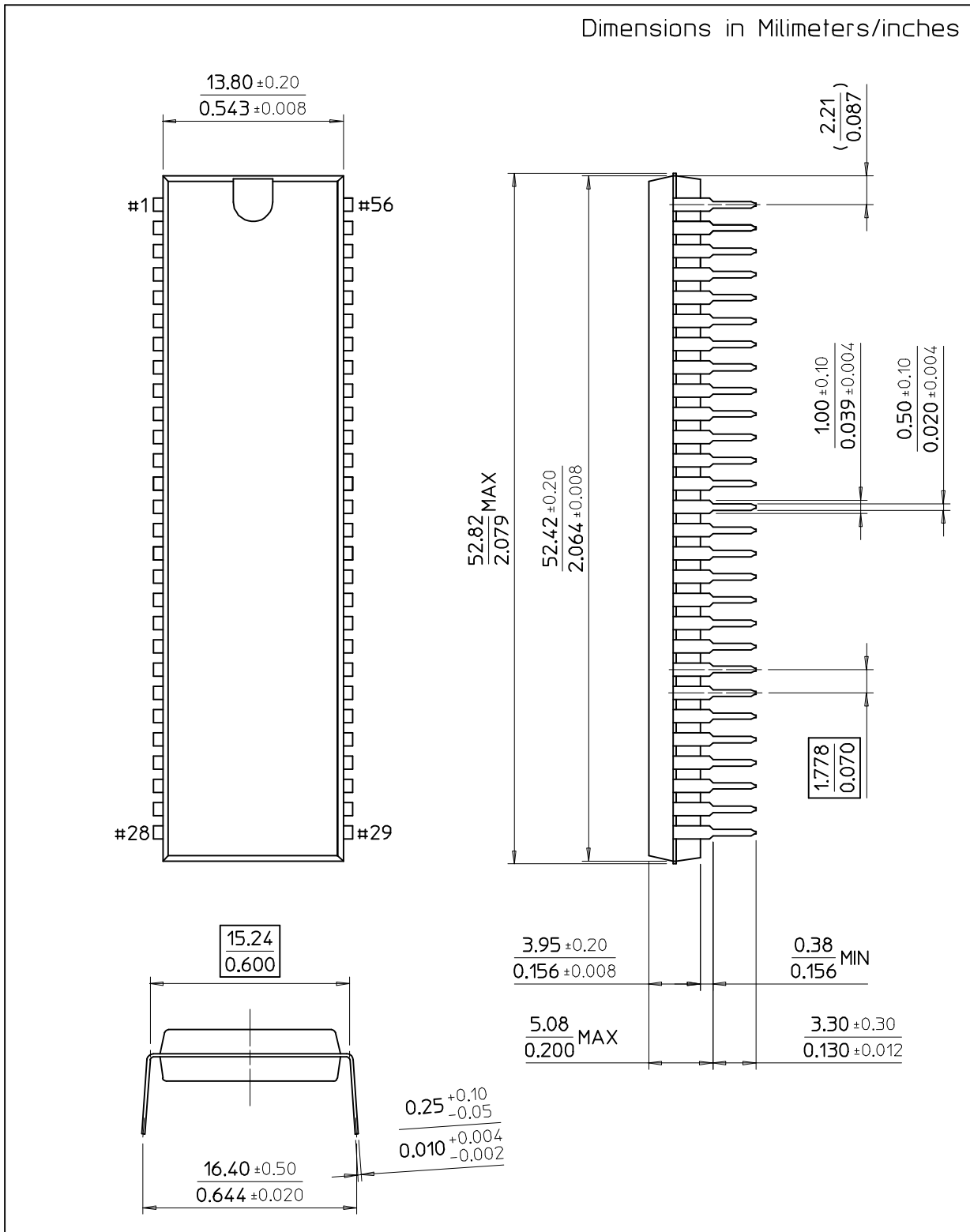
48-SDIP-600

Dimensions in Millimeters/inches



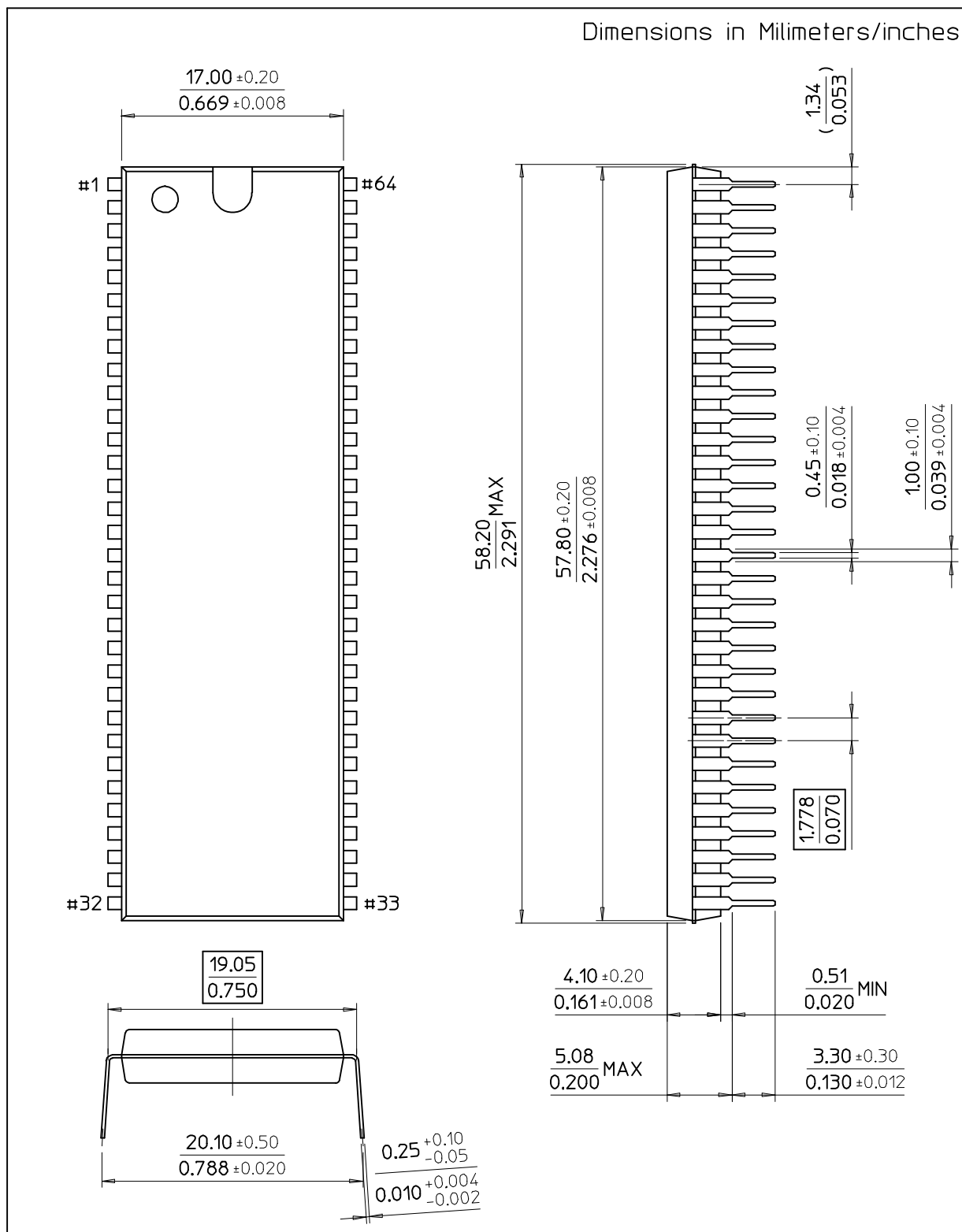
56-SDIP-600

Dimensions in Millimeters/inches



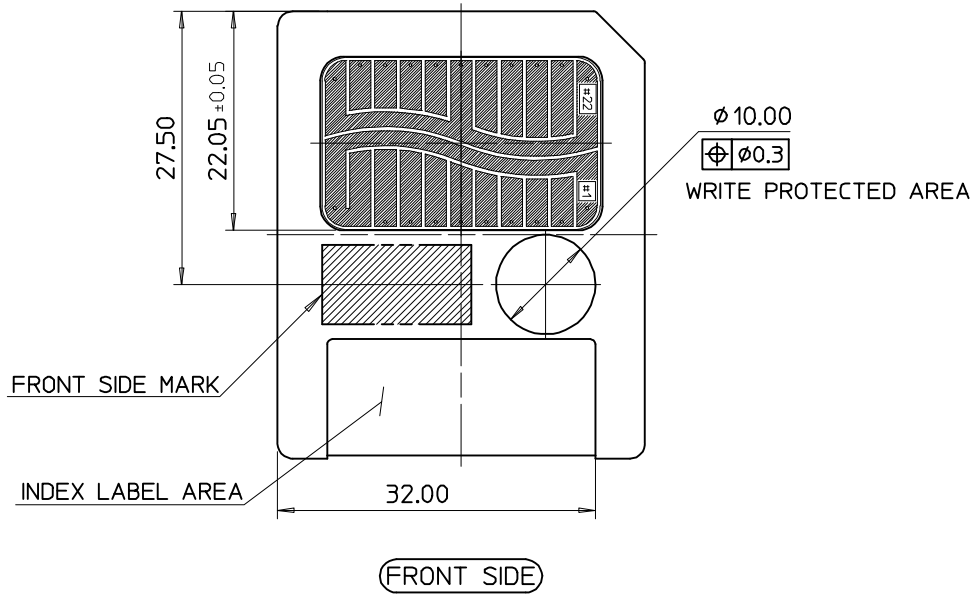
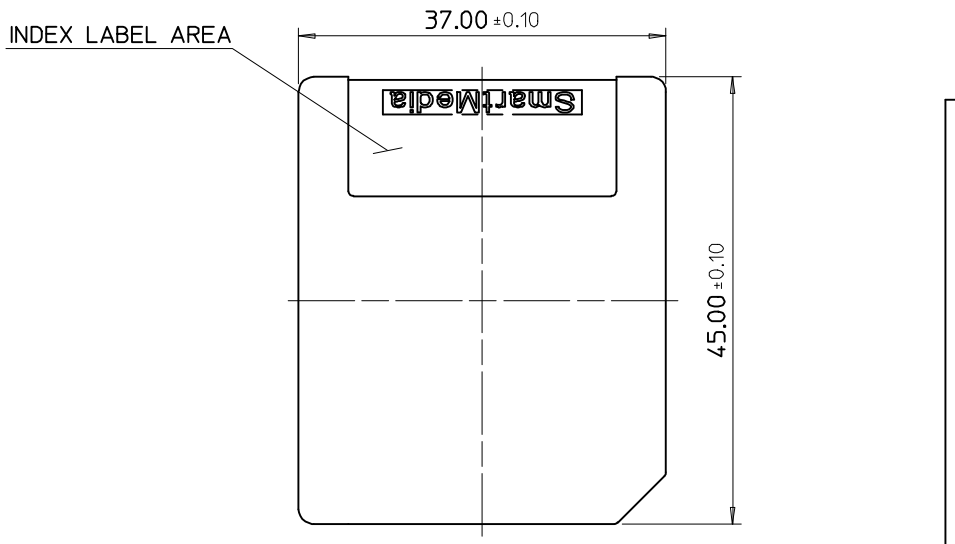
64-SDIP-750

Dimensions in Millimeters/inches



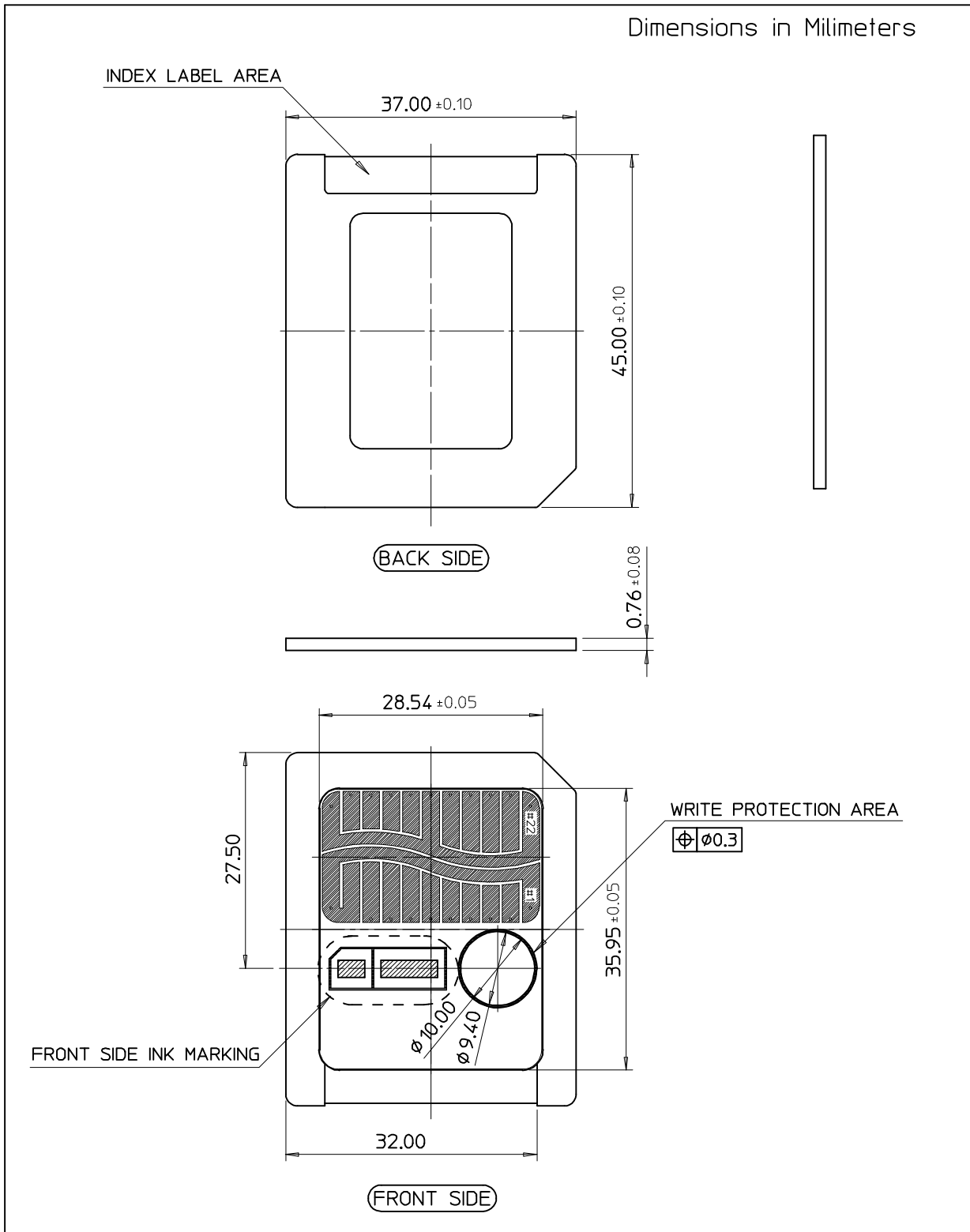
SMART MEDIA-1828

Dimensions in Millimeters

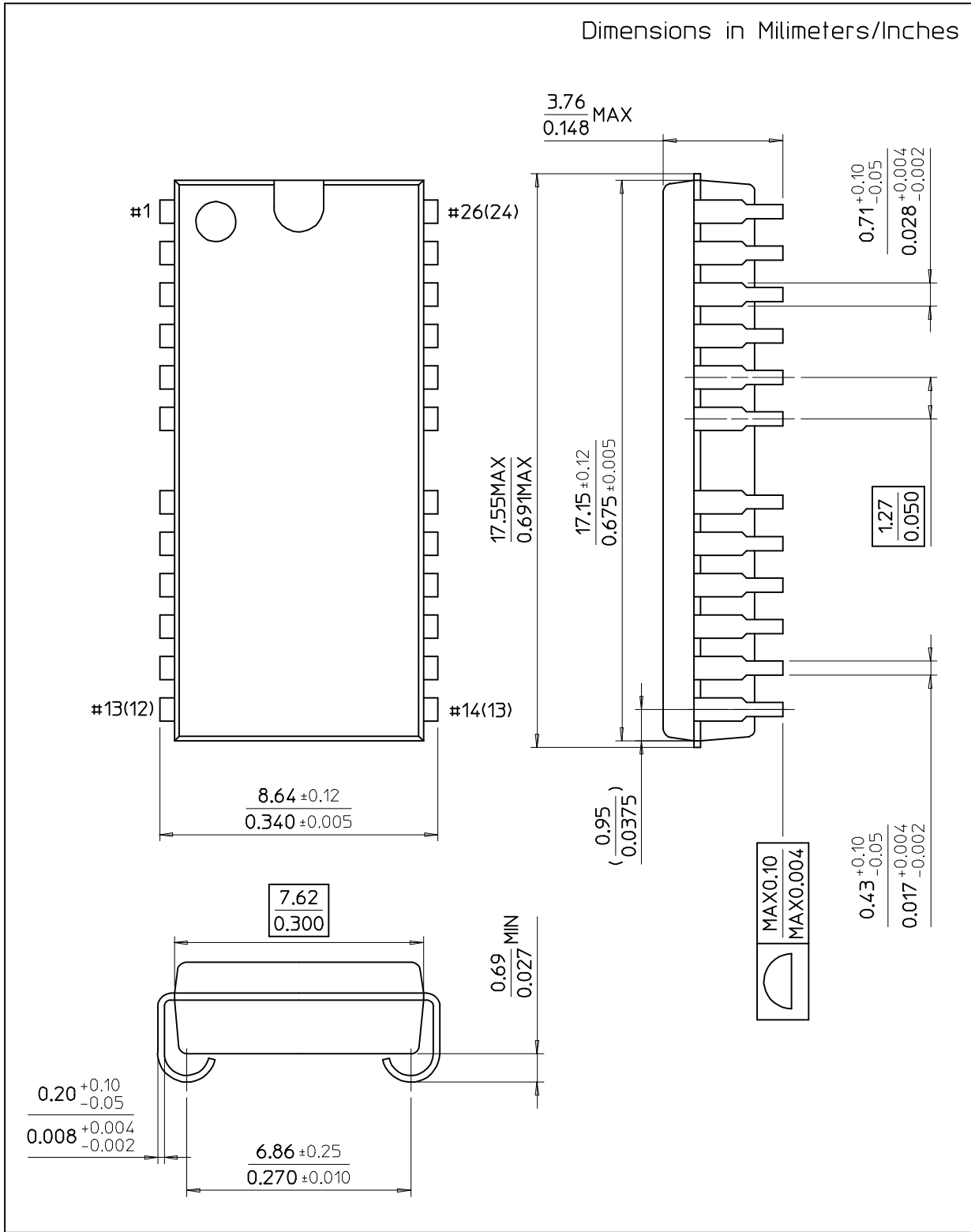


SMART MEDIA-2836

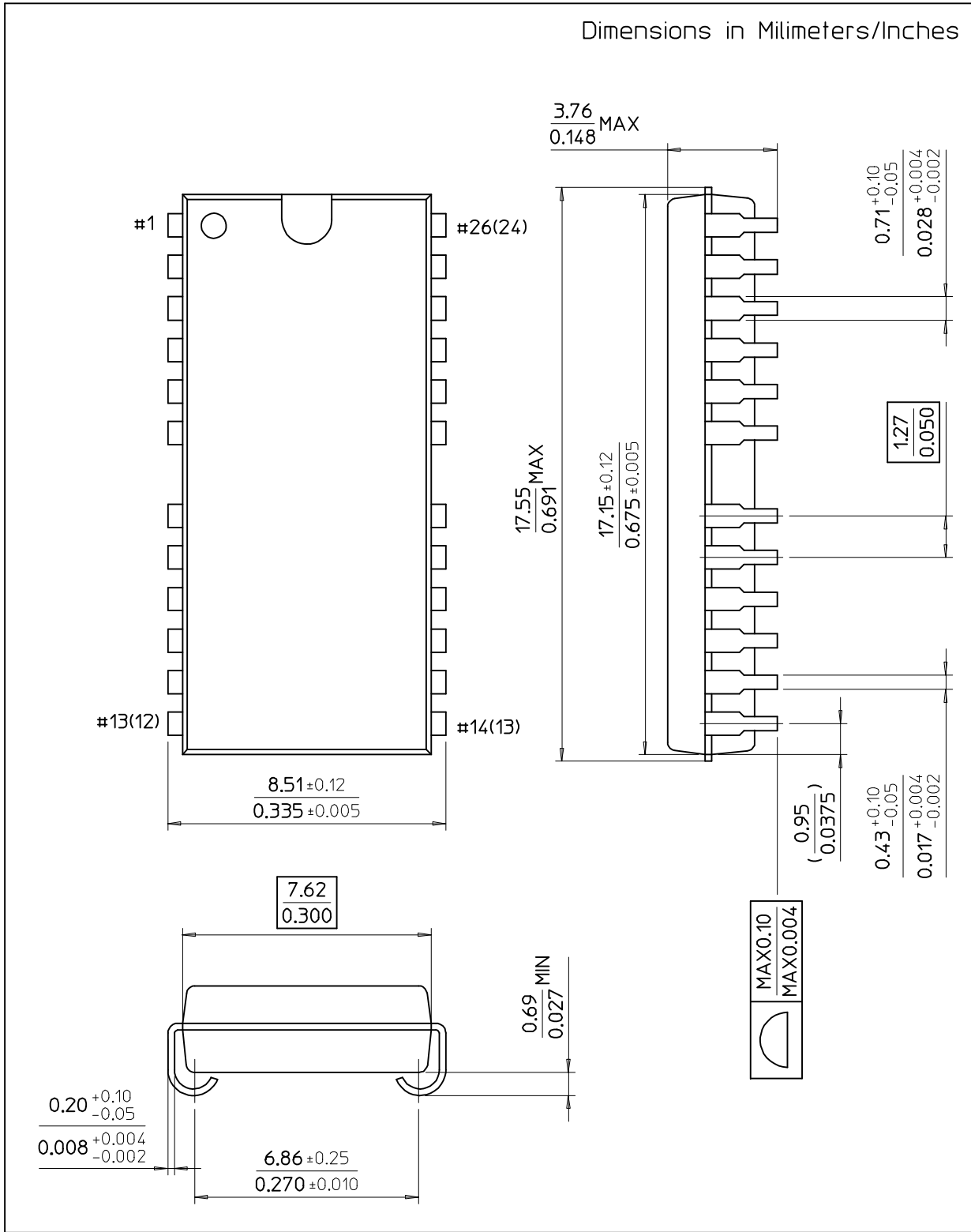
Dimensions in Millimeters



26(24)-SOJ-300

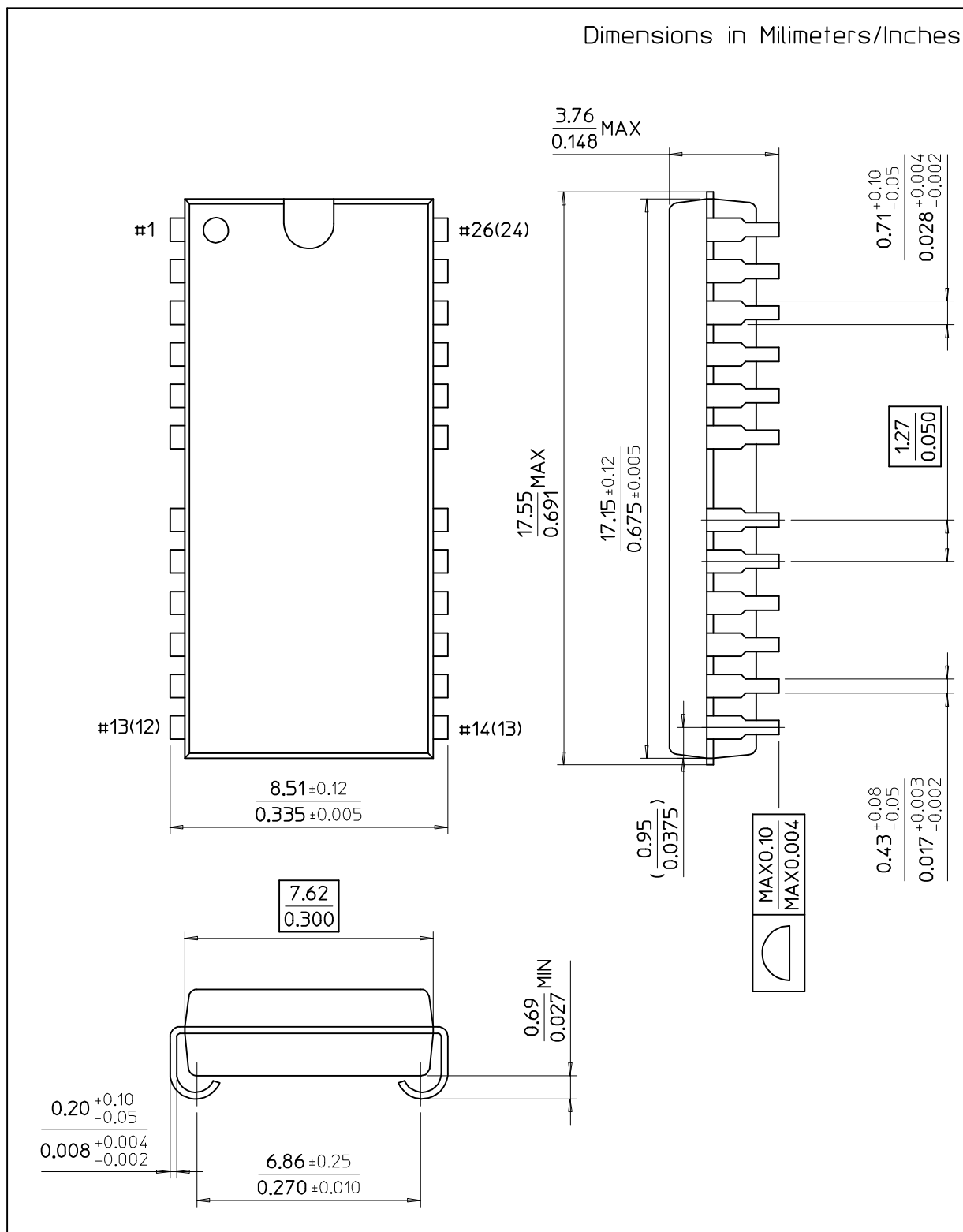


26(24)-SOJ-300A



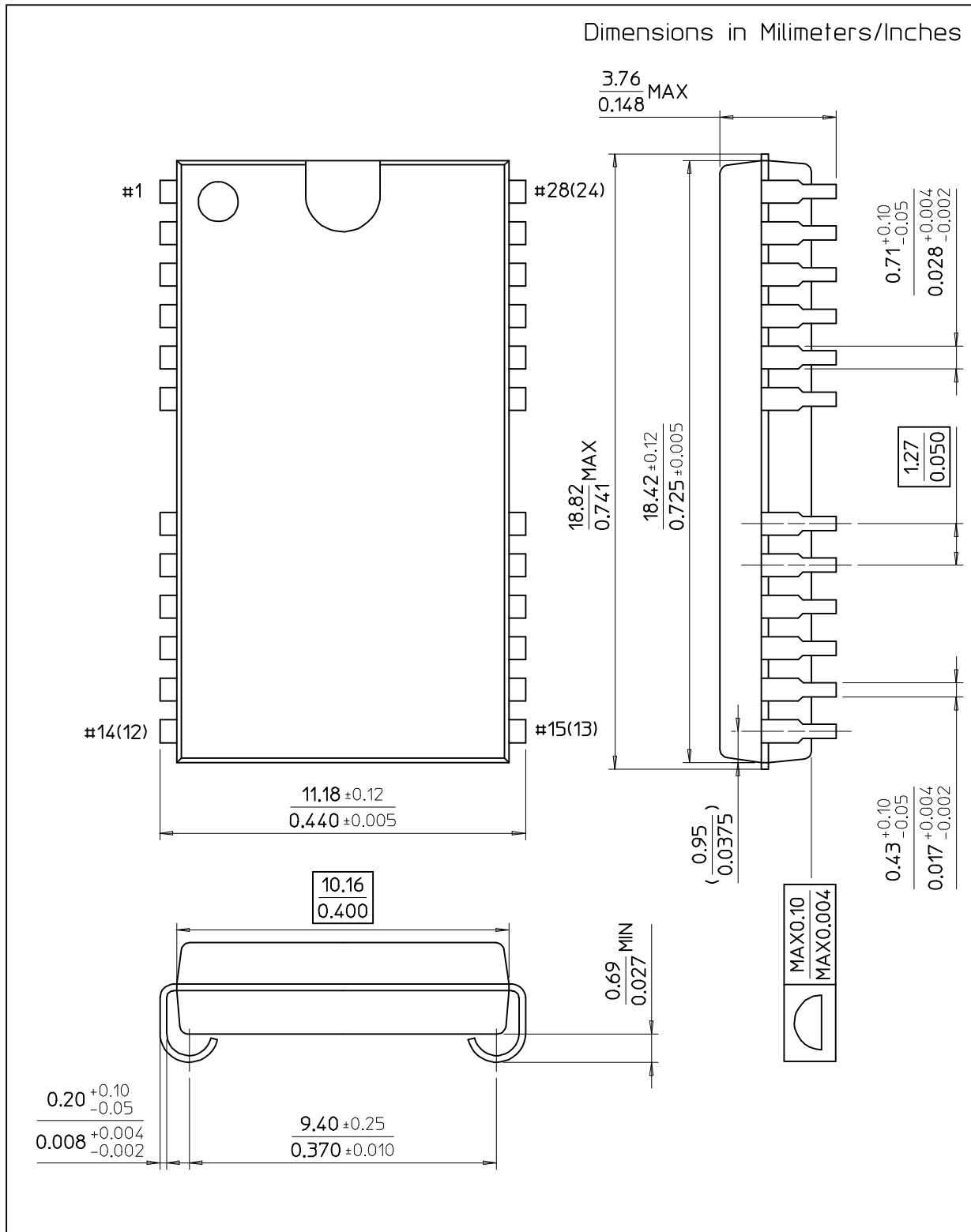
26(24)-SOJ-300B

Dimensions in Millimeters/Inches

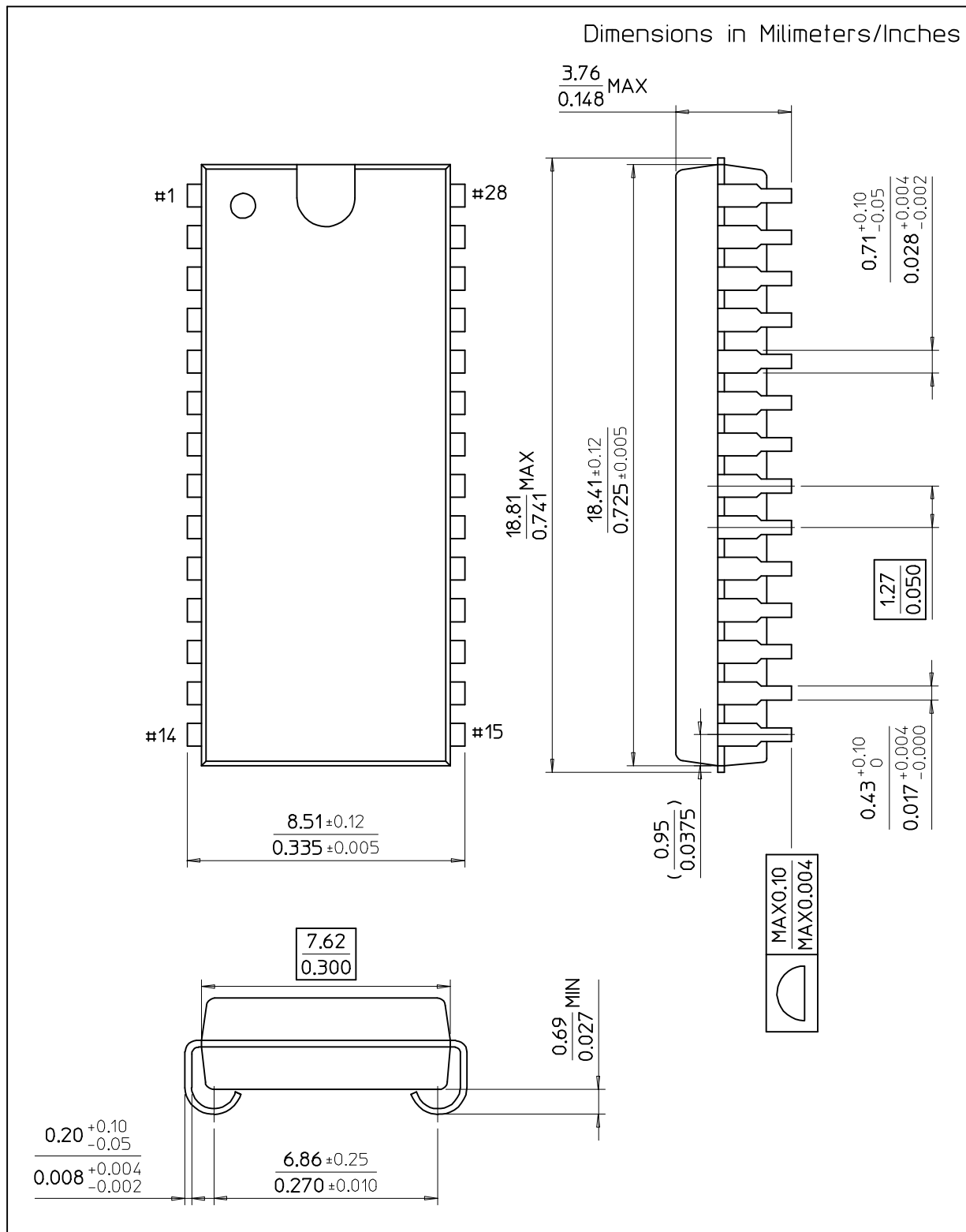


28(24)-SOJ-400

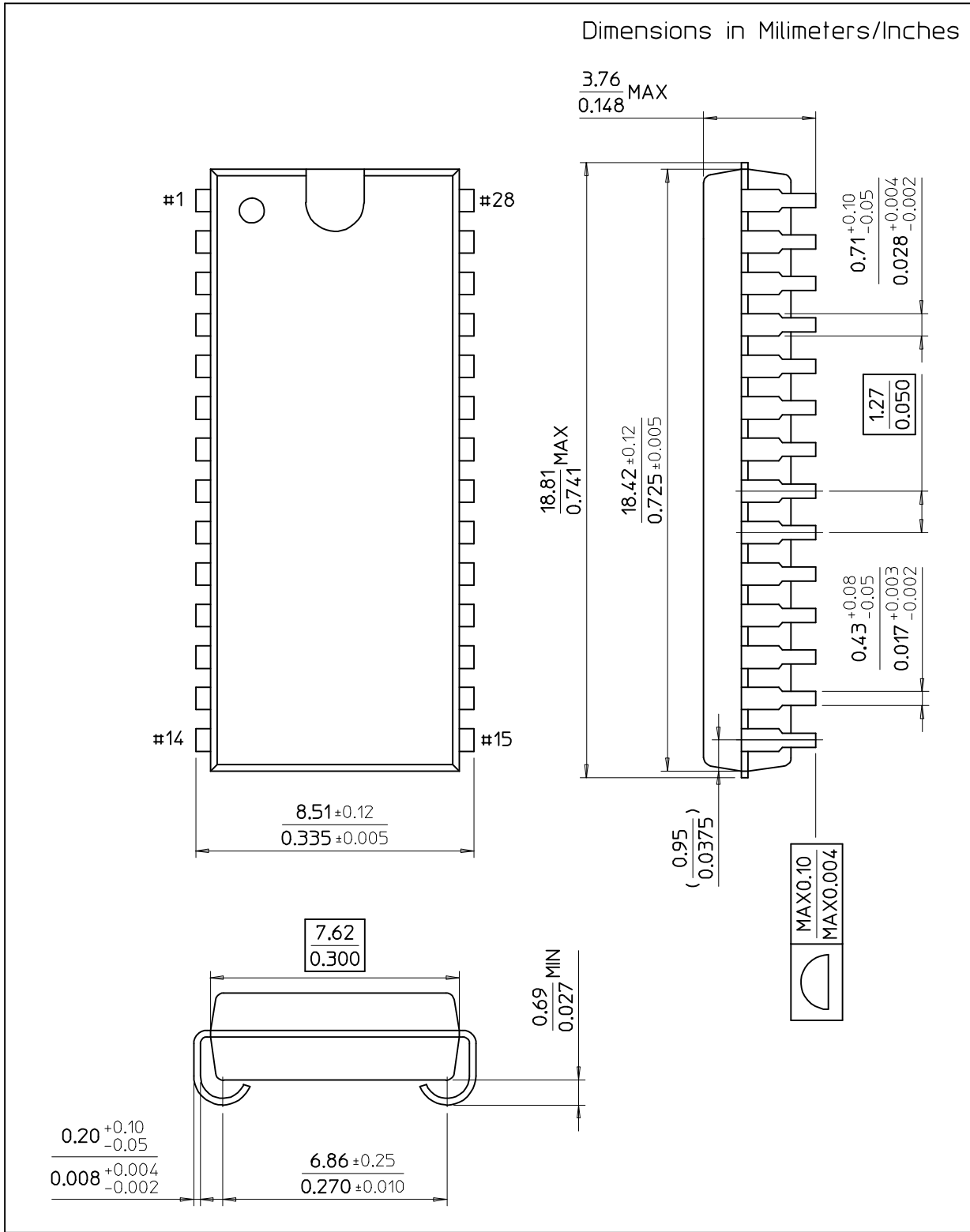
Dimensions in Millimeters/Inches



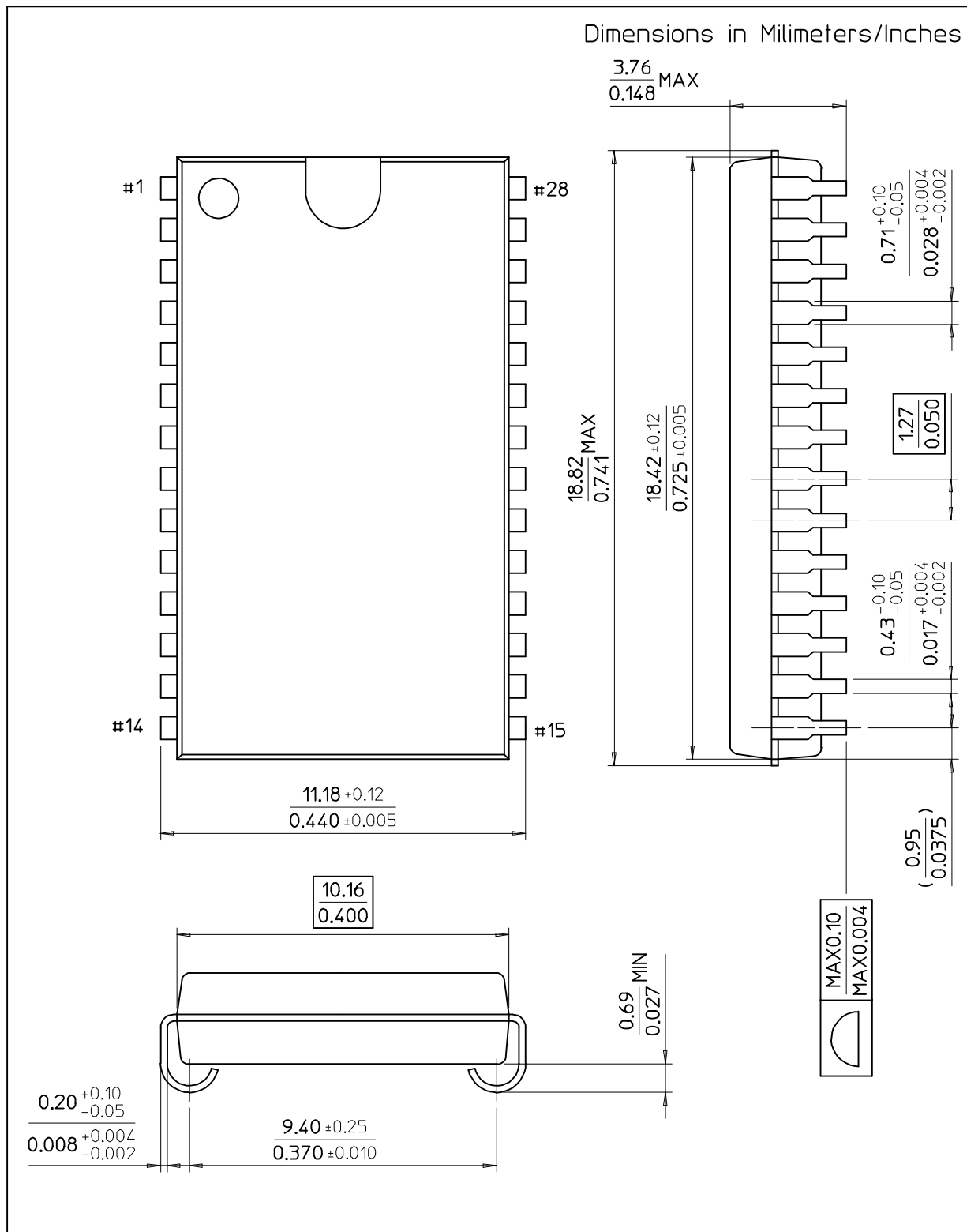
28-SOJ-300



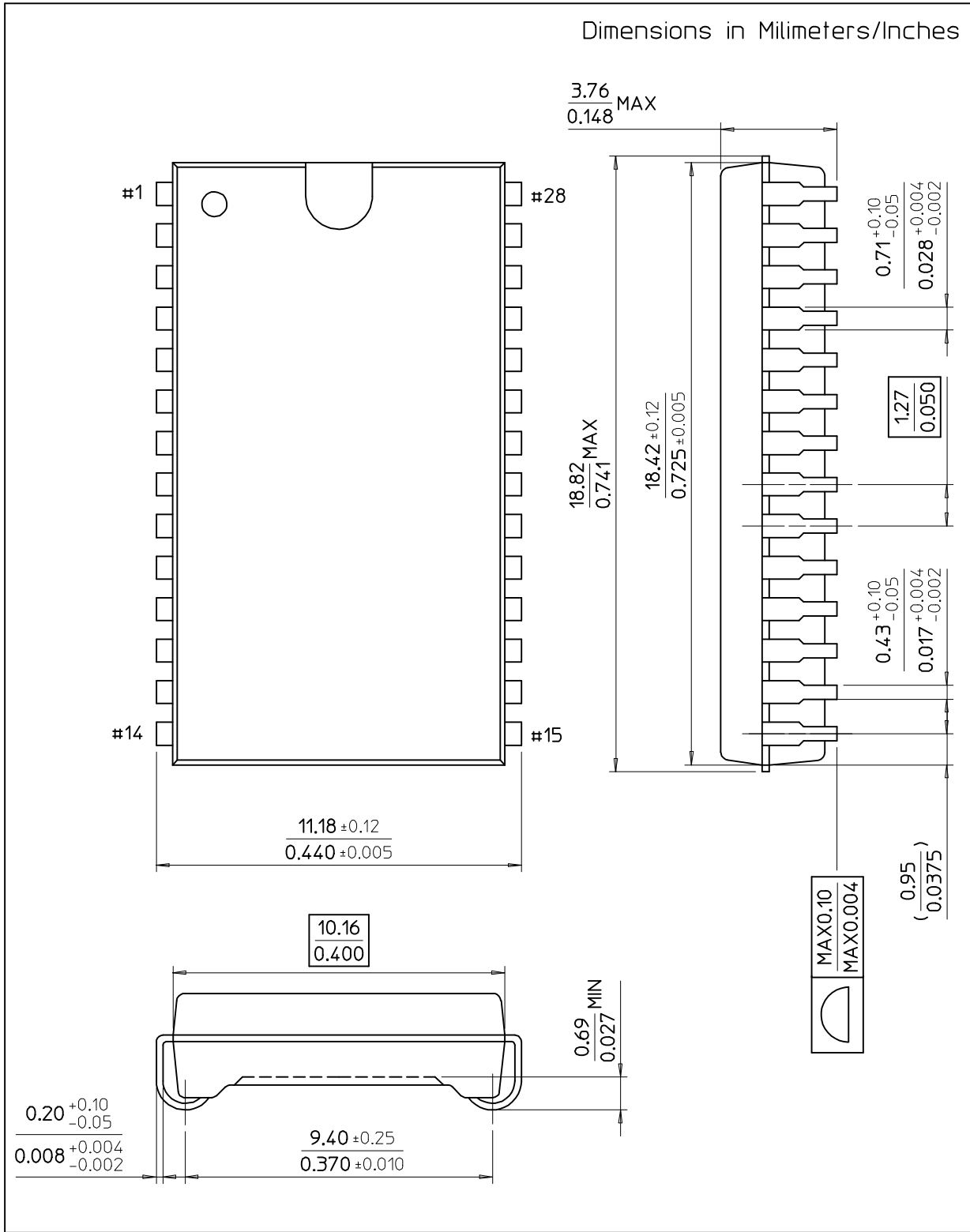
28-SOJ-300A



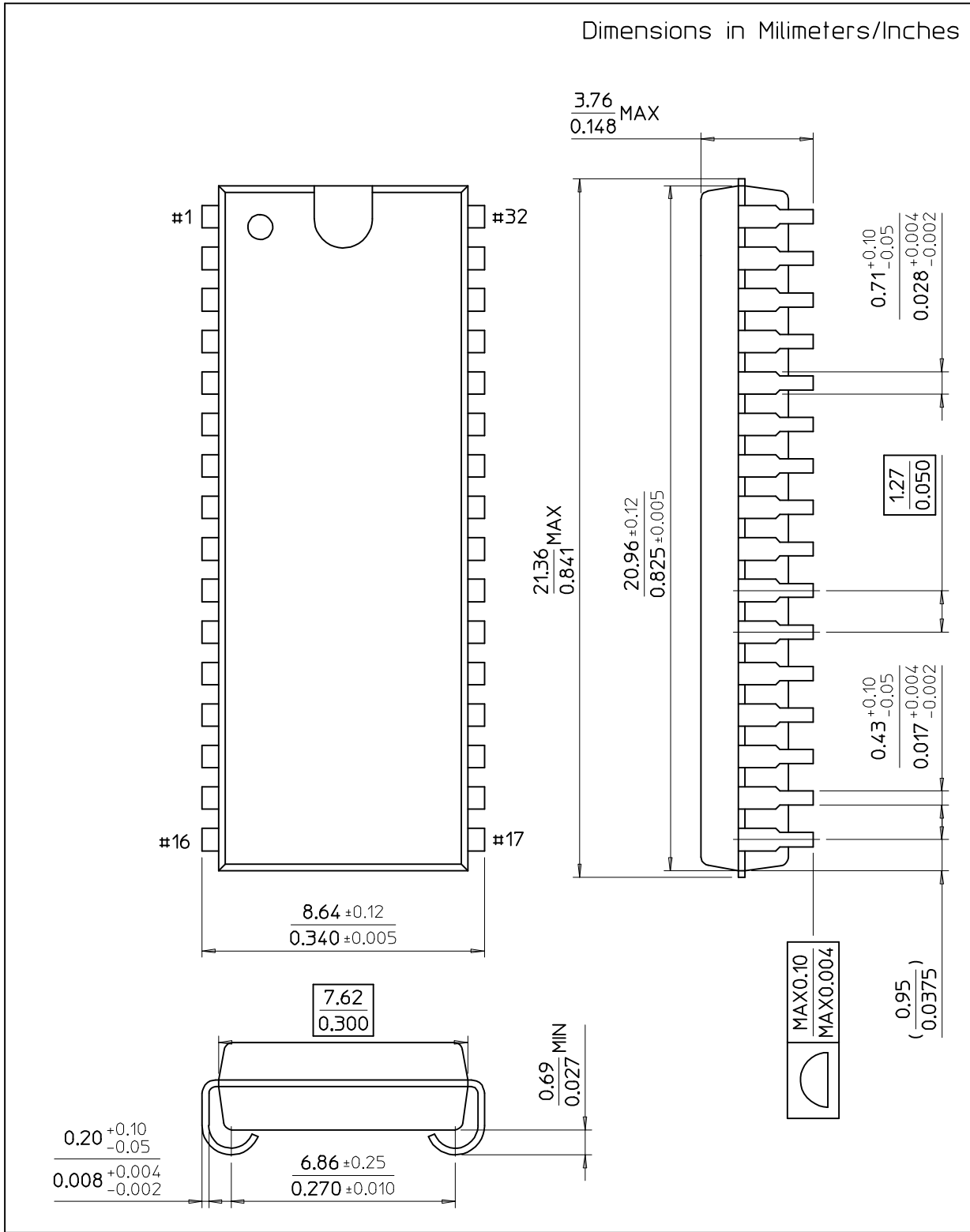
28-SOJ-400A



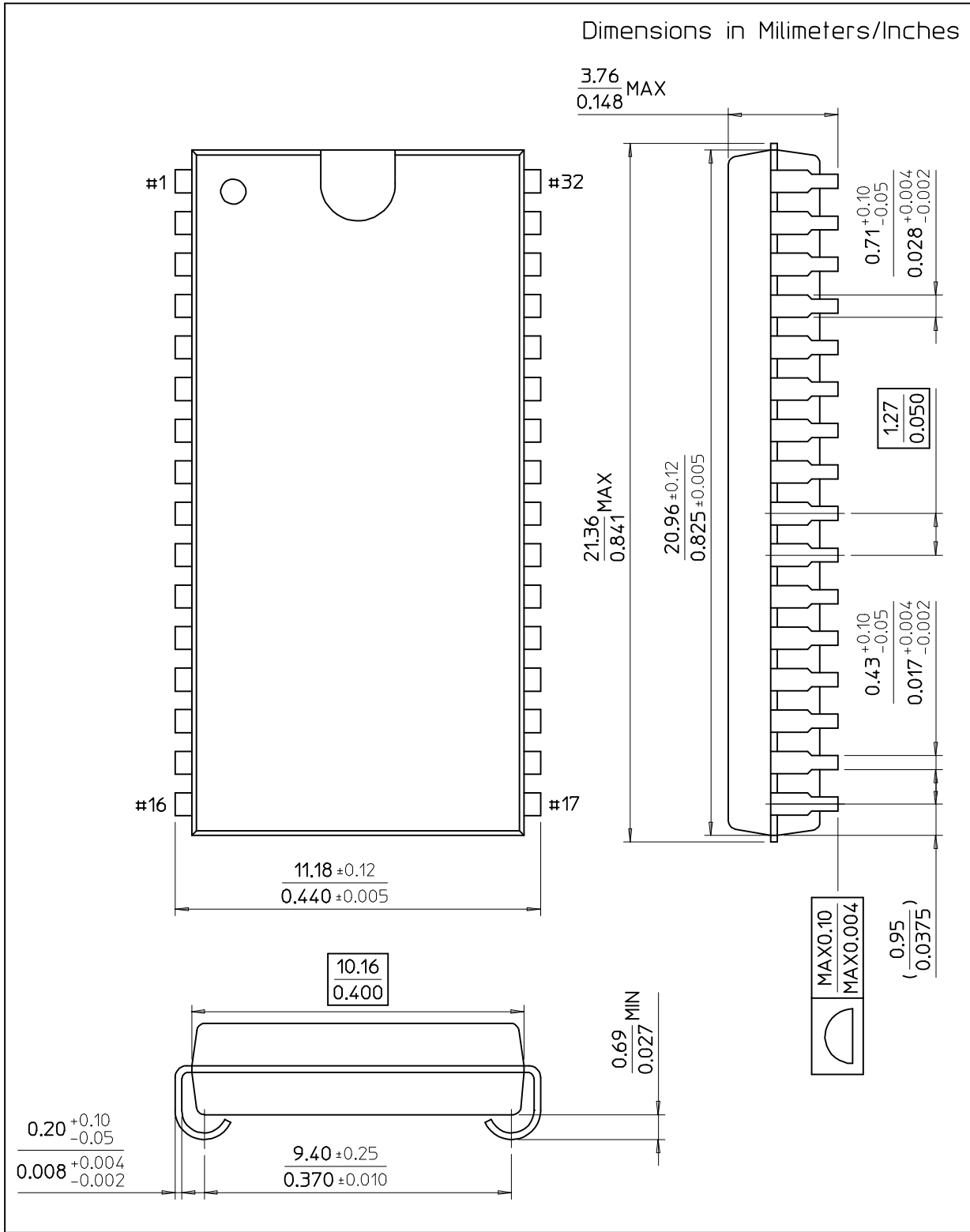
28-SOJ-400B



32-SOJ-300

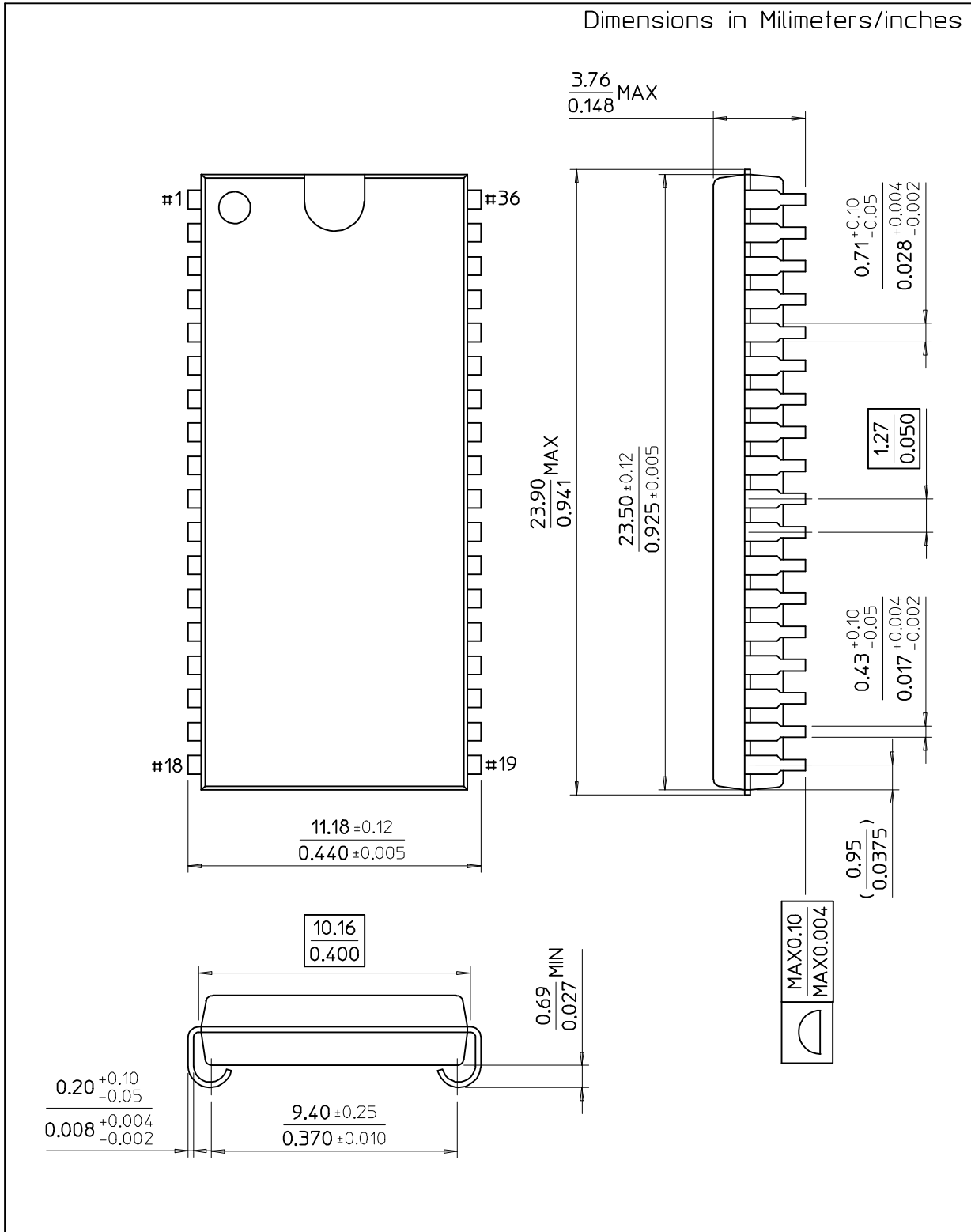


32-SOJ-400

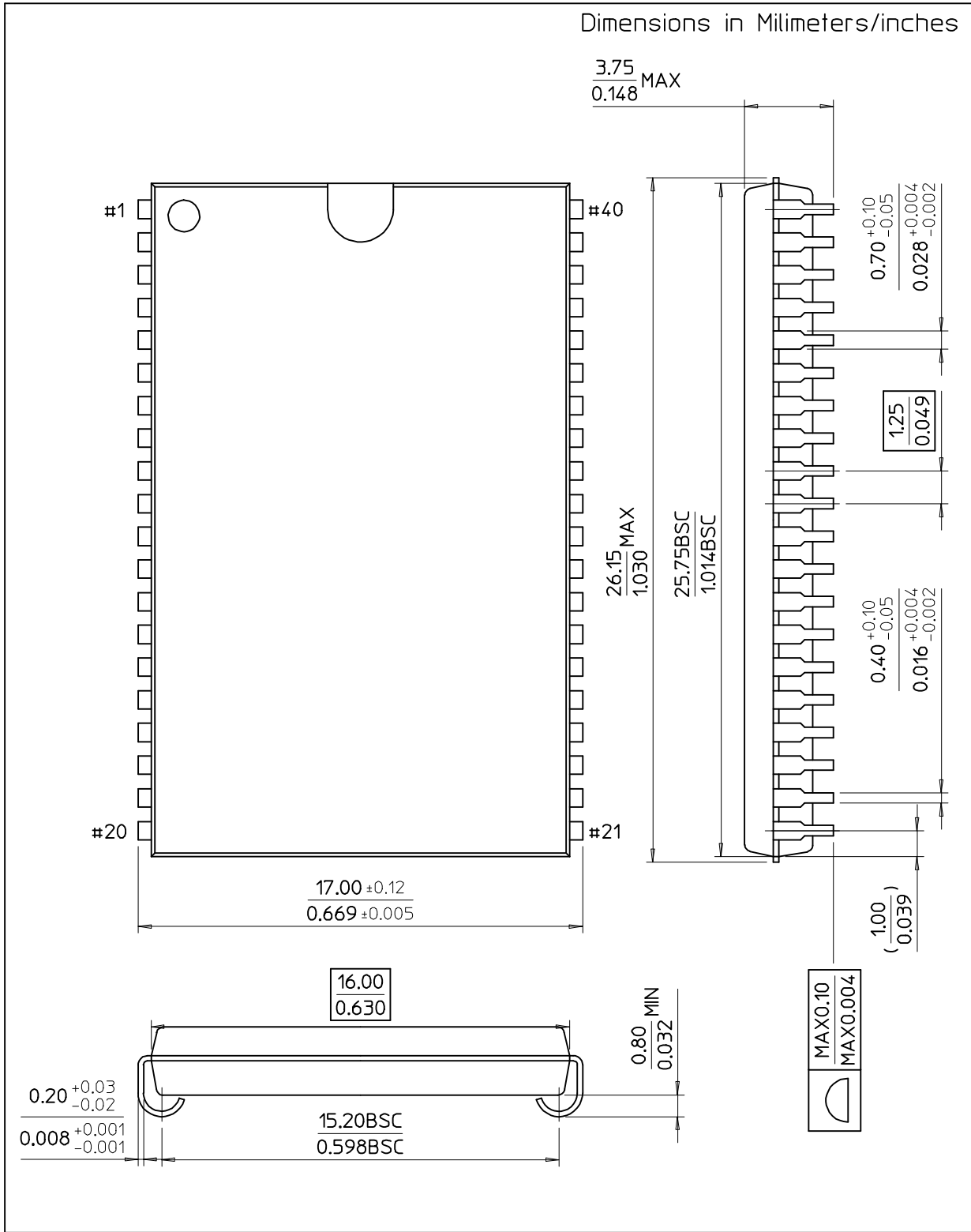


36-SOJ-400

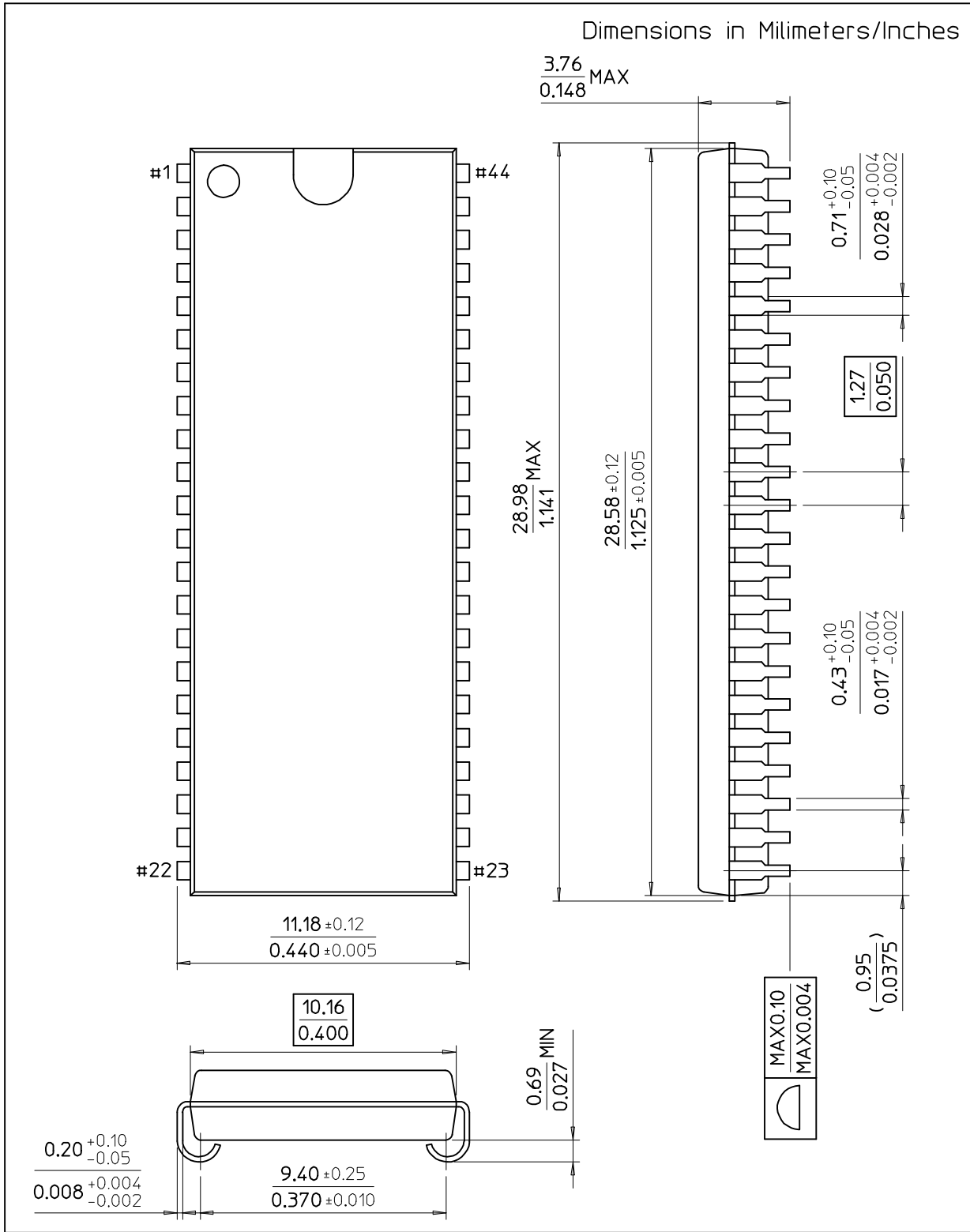
Dimensions in Millimeters/inches



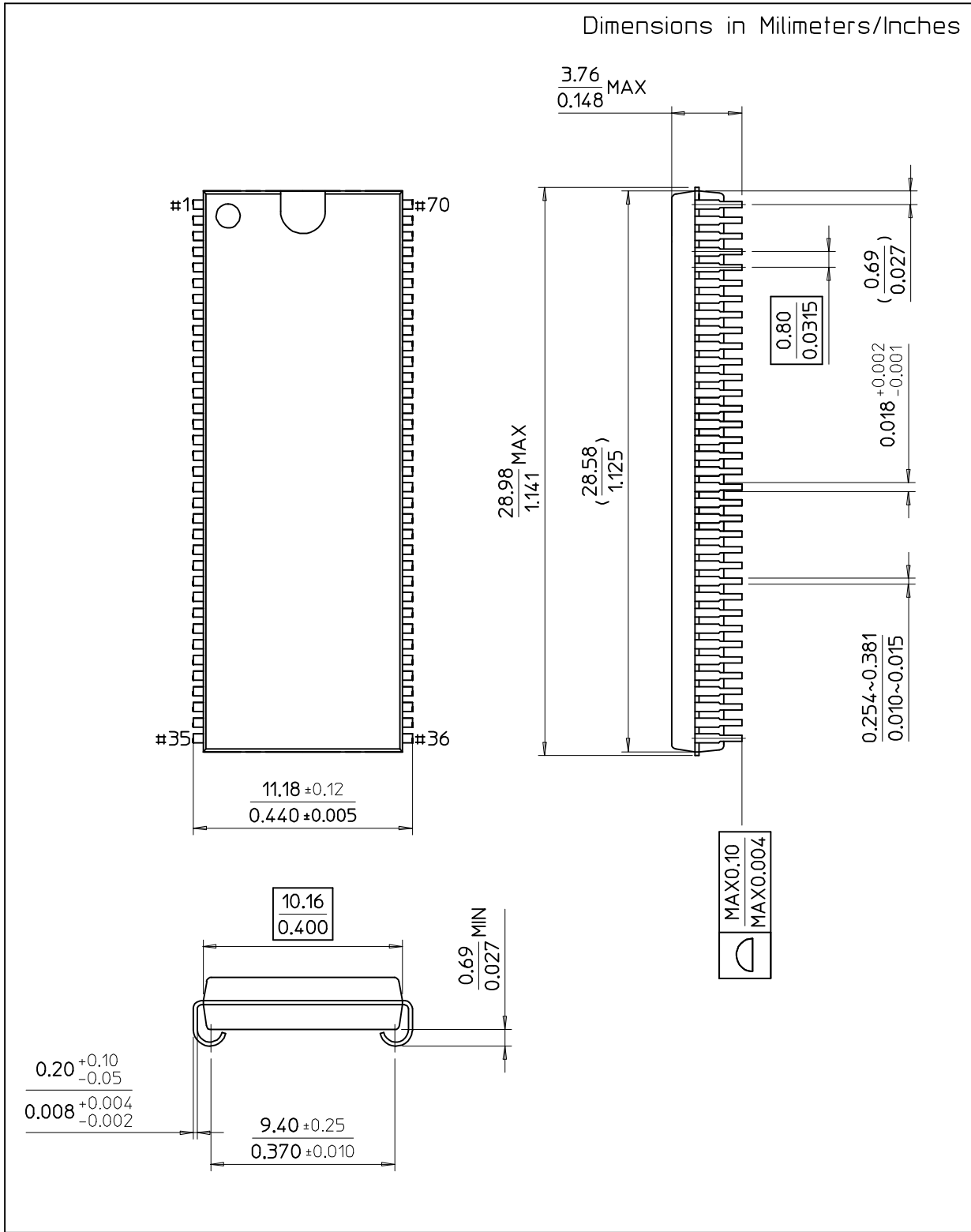
40-MSOJ-0160



44-SOJ-400

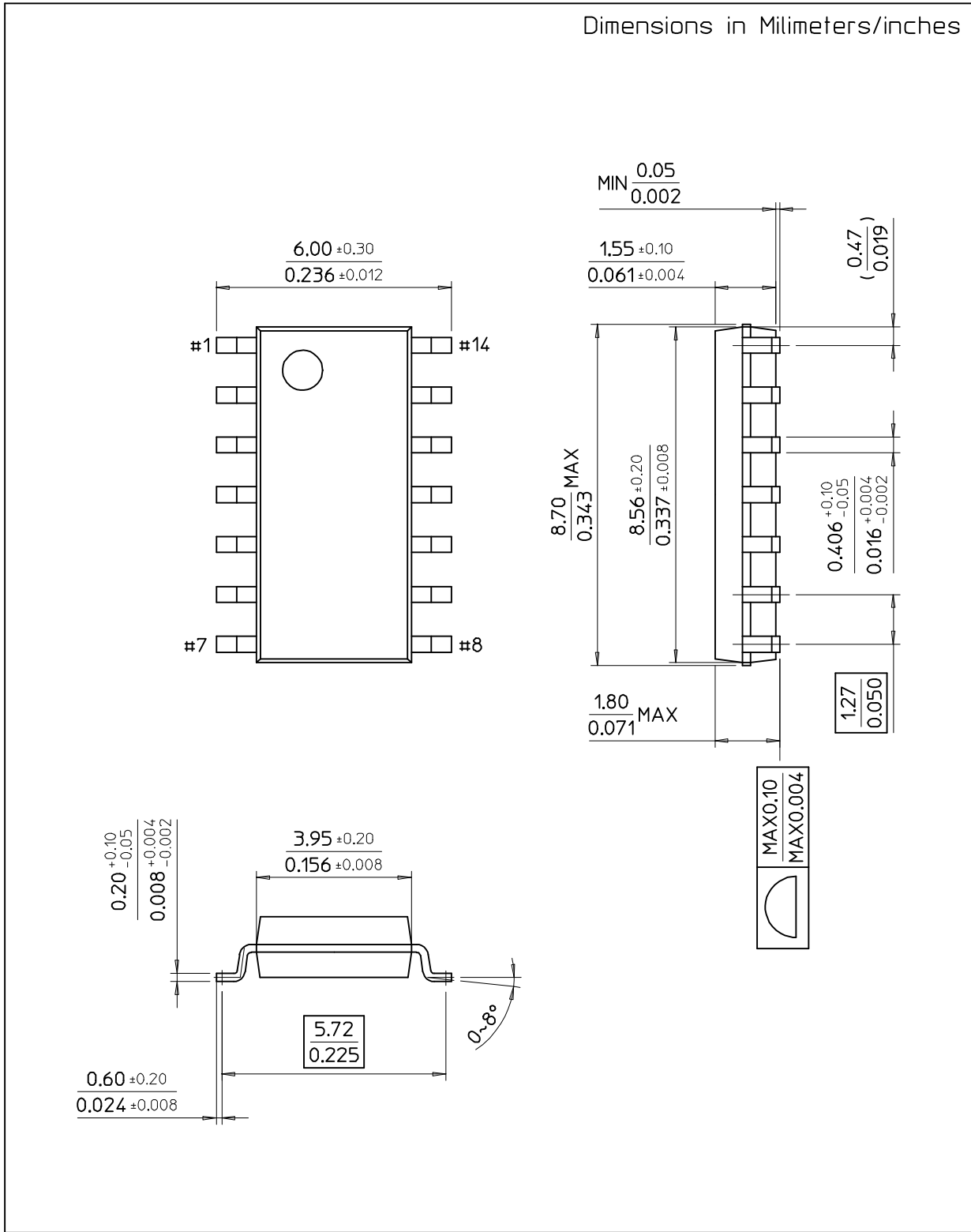


70-SOJ-400



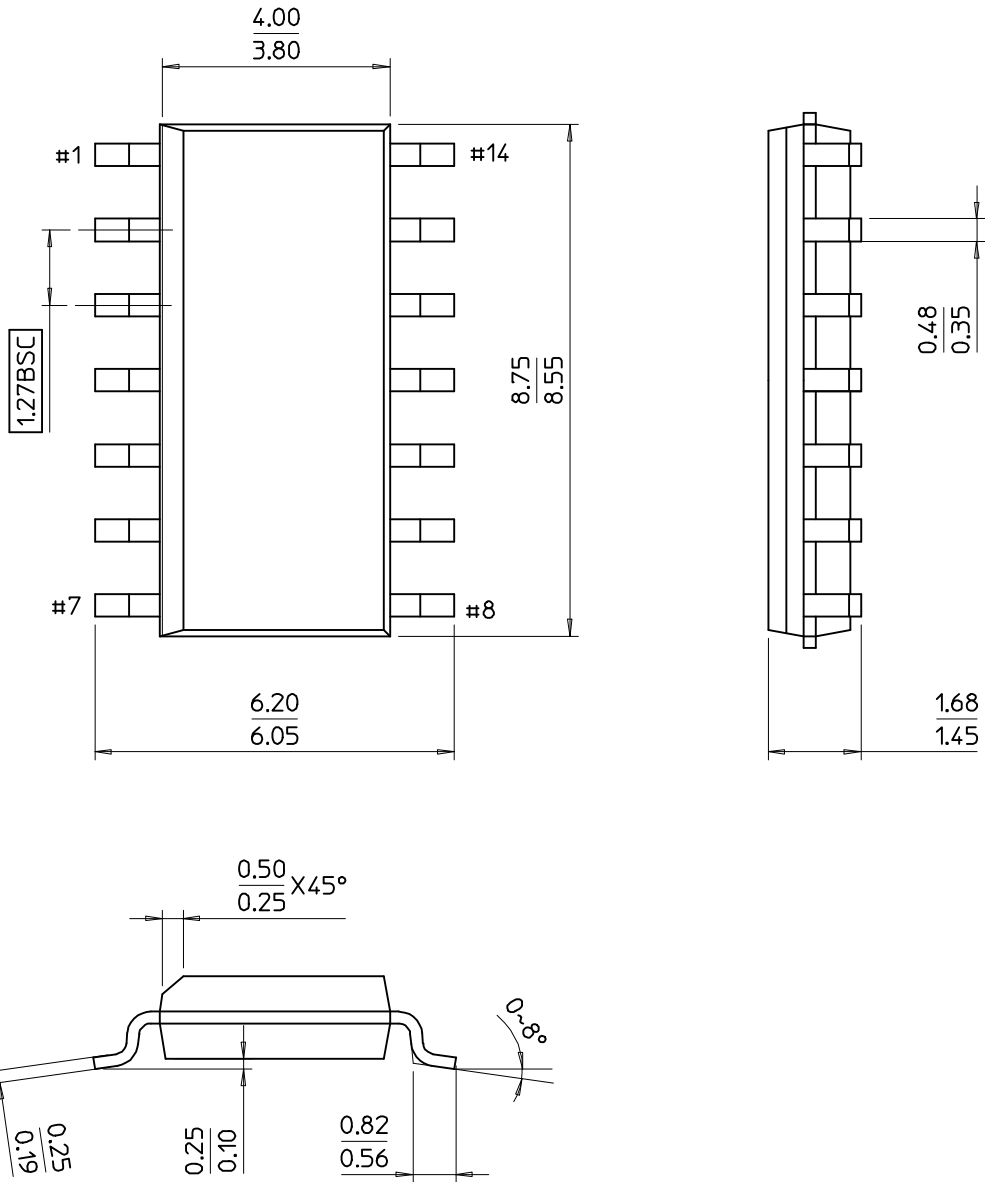
14-SOP-225B

Dimensions in Millimeters/inches



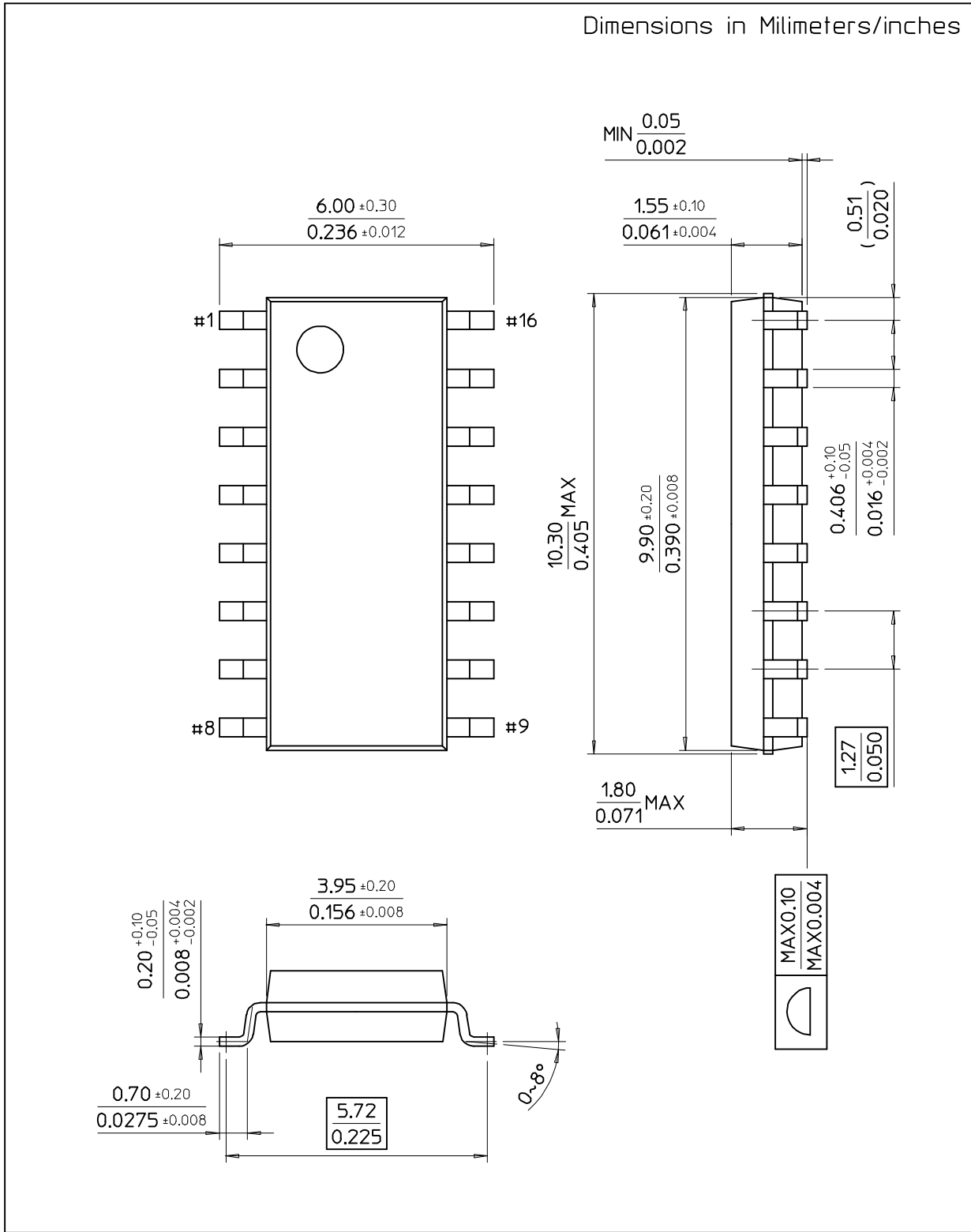
14-SOP-BD150-SG

Dimensions in Millimeters



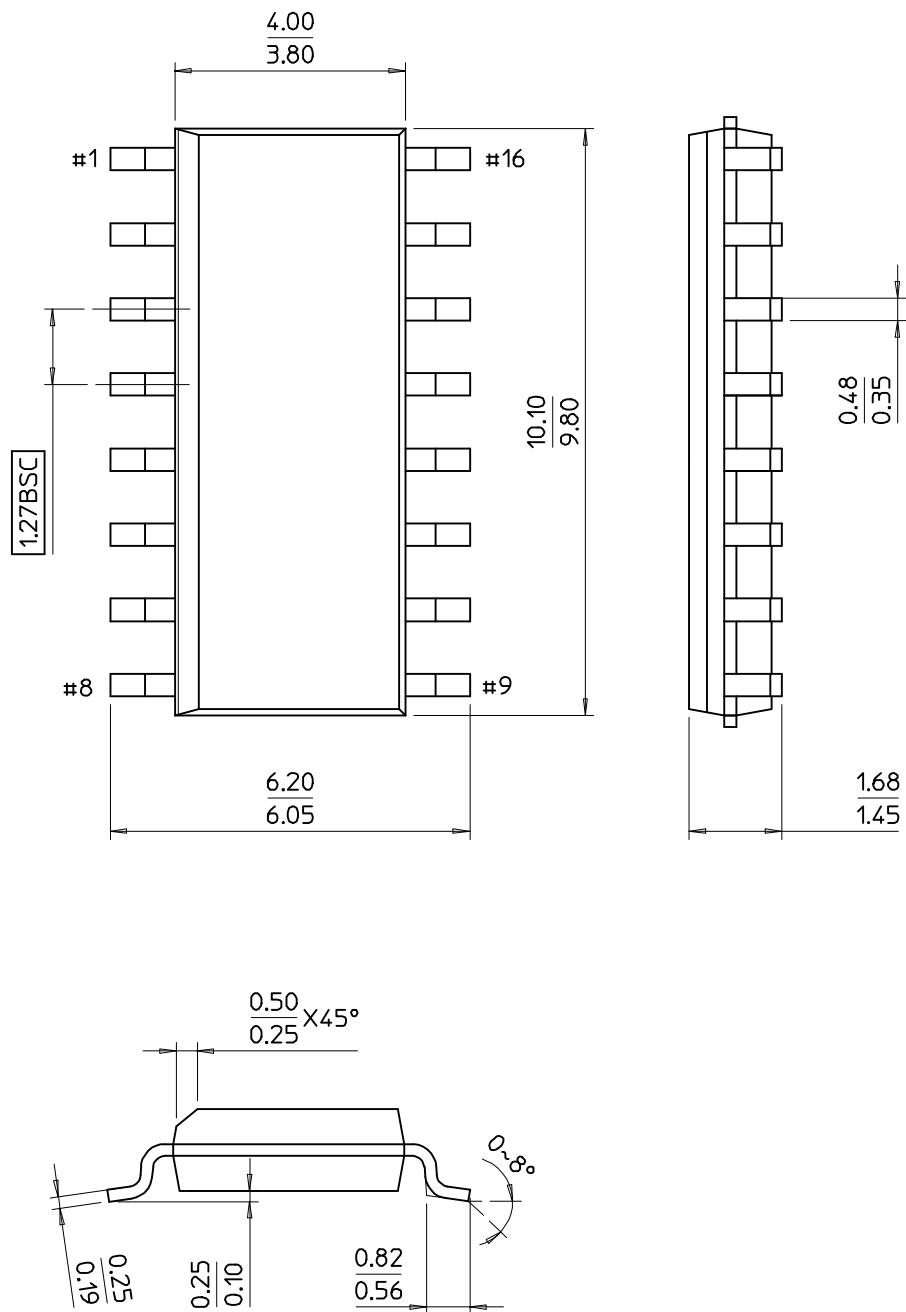
16-SOP-225

Dimensions in Millimeters/inches



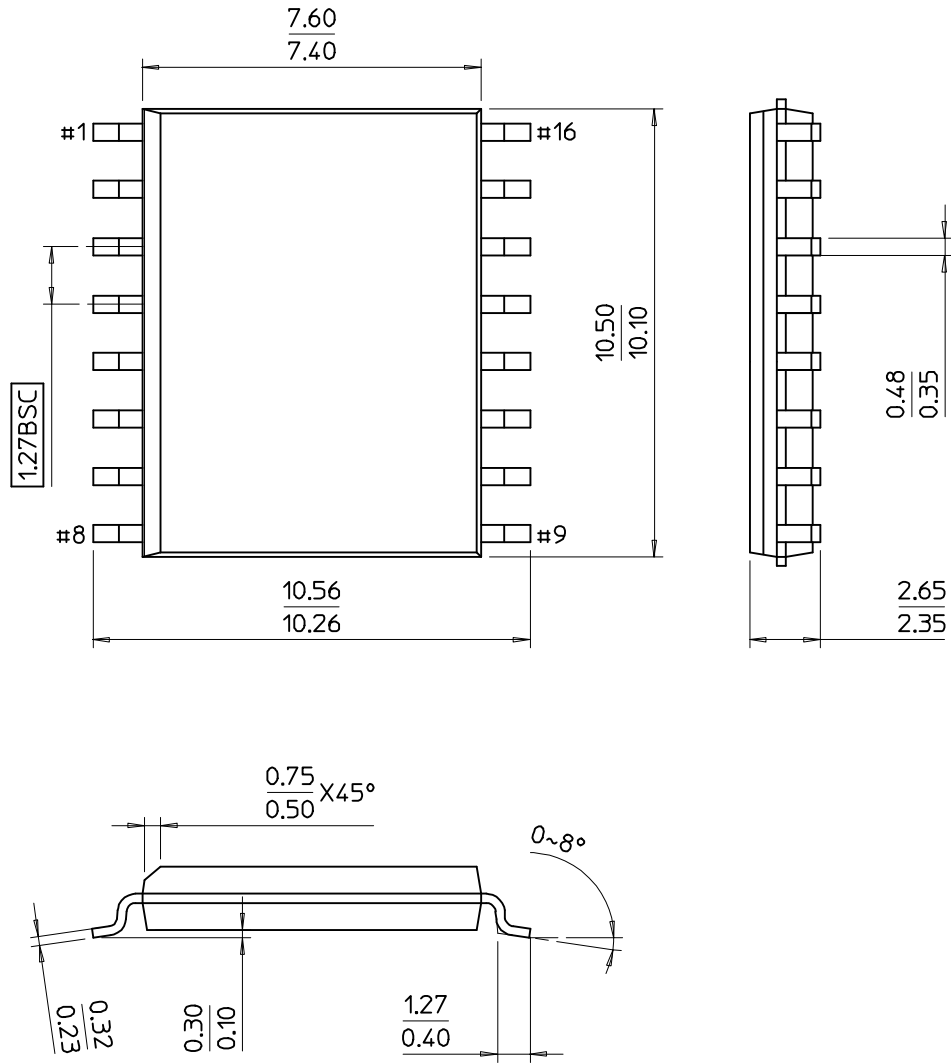
16-SOP-BD150-SG

Dimensions in Millimeters



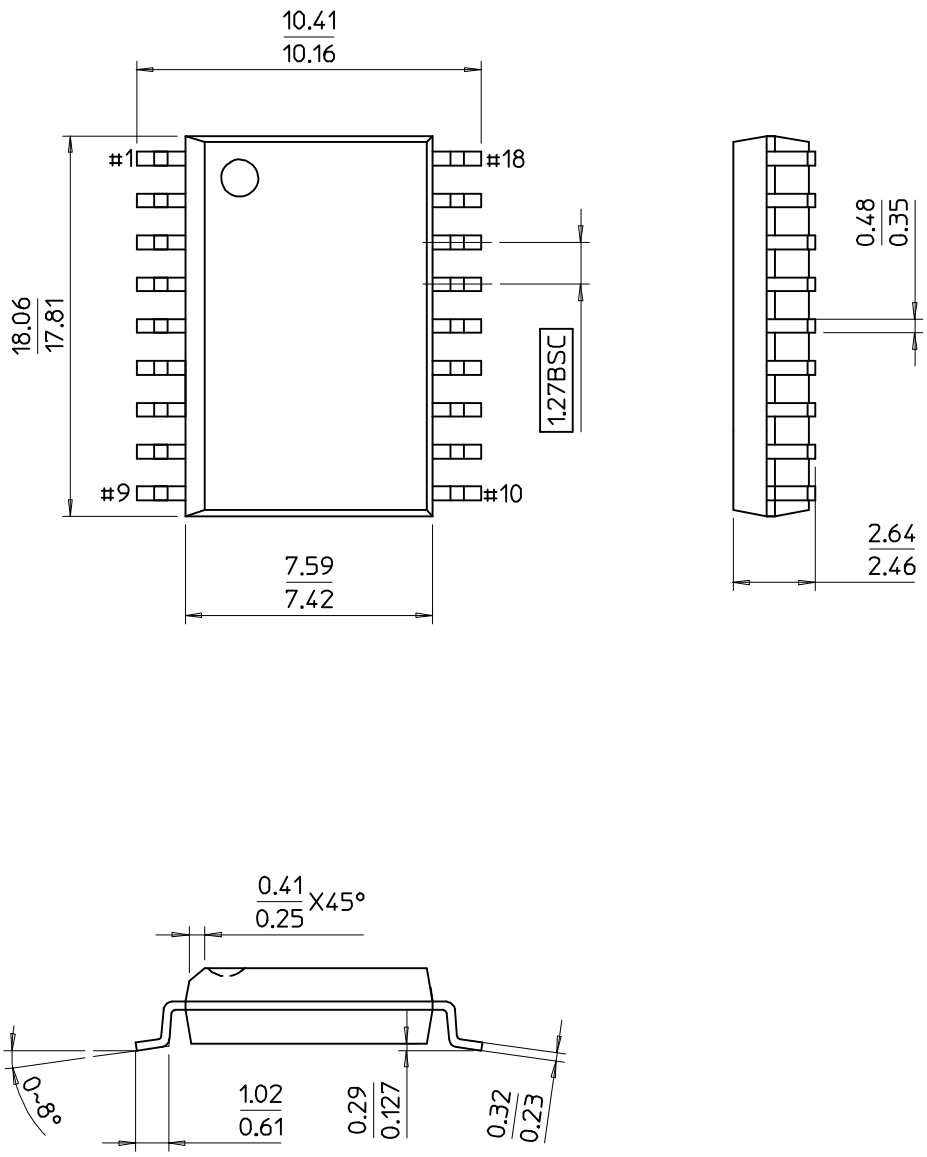
16-SOP-BD300-SG

Dimensions in Millimeters



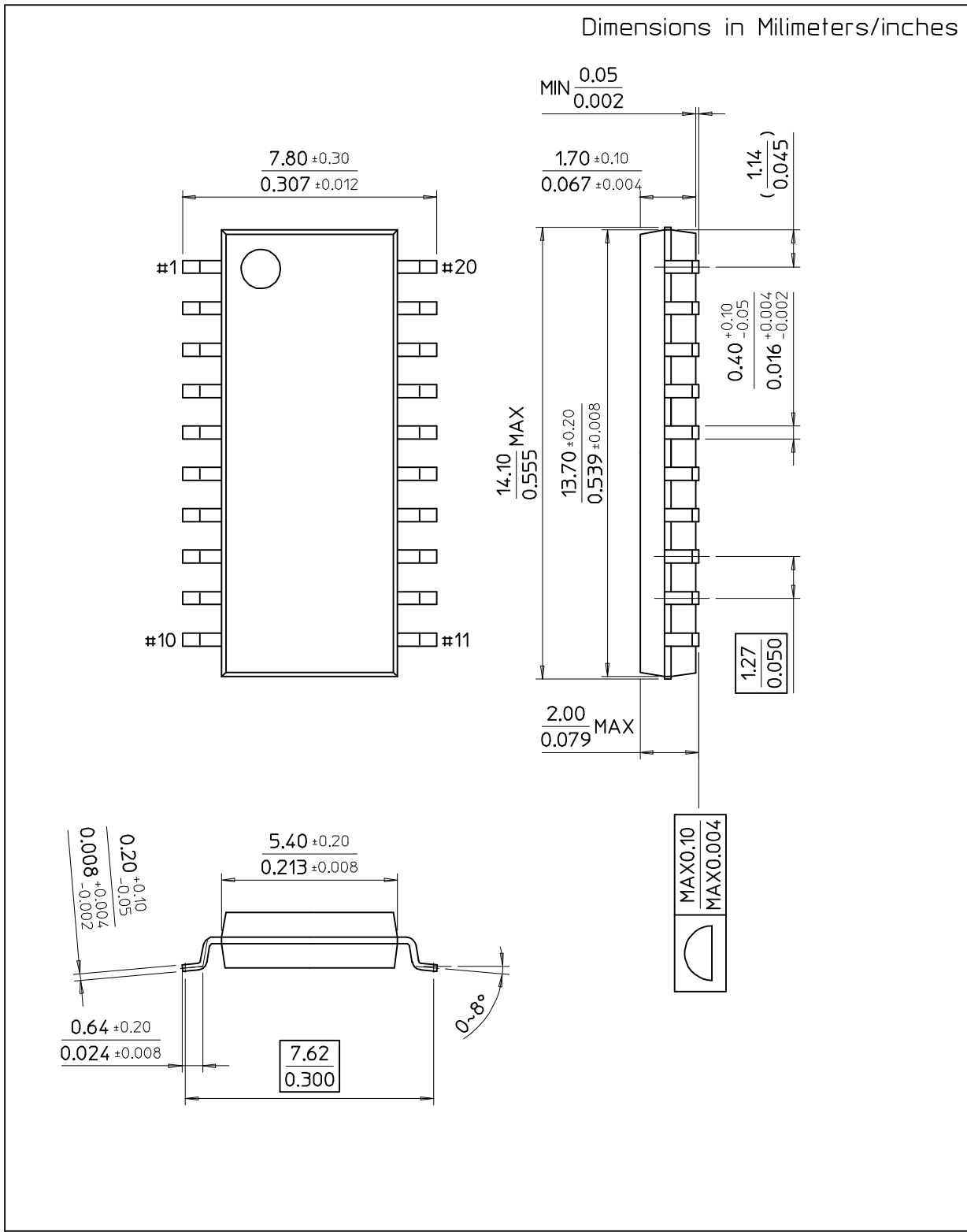
18-SOP-BD300-AN

Dimensions in Millimeters



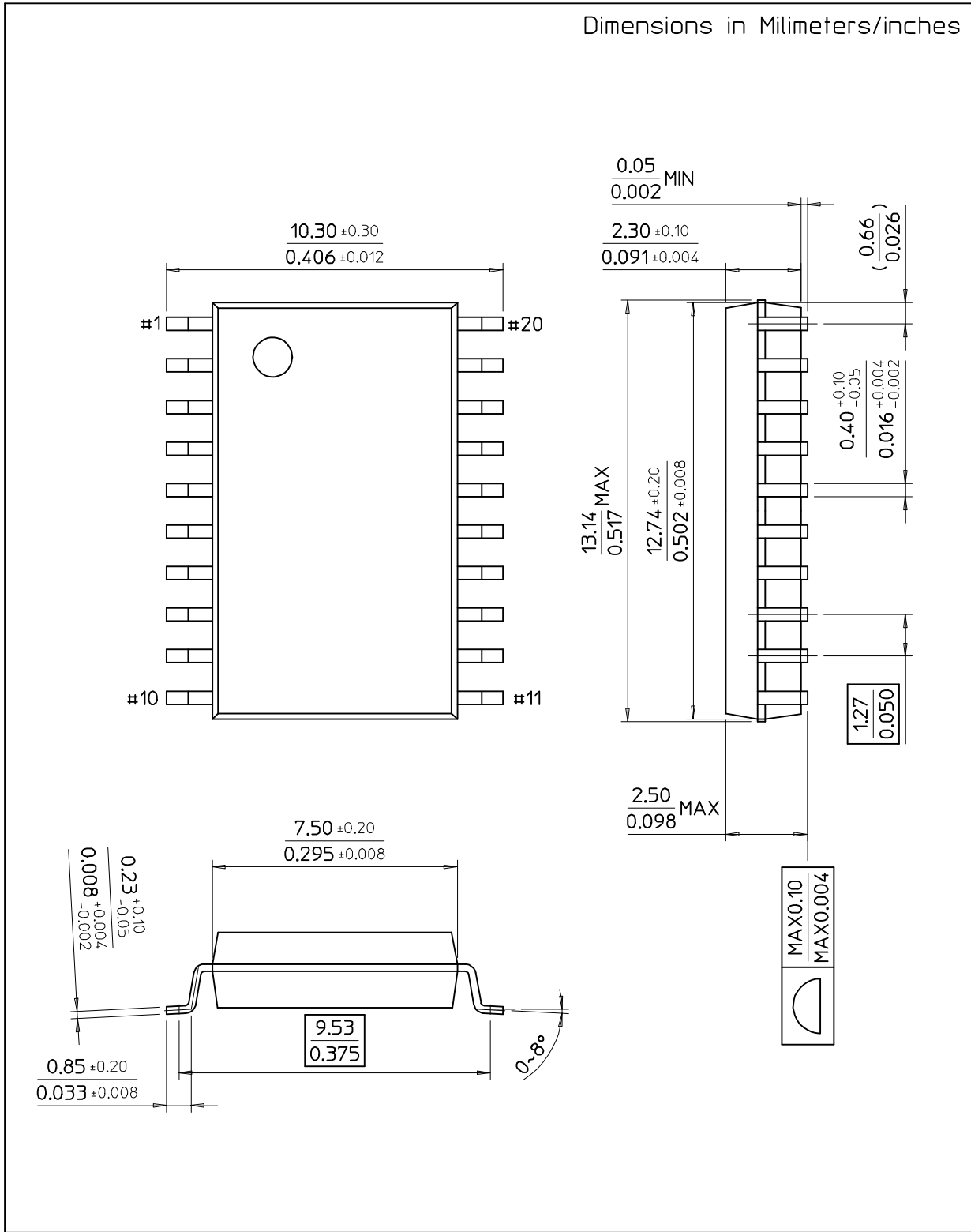
20-SOP-300

Dimensions in Millimeters/inches



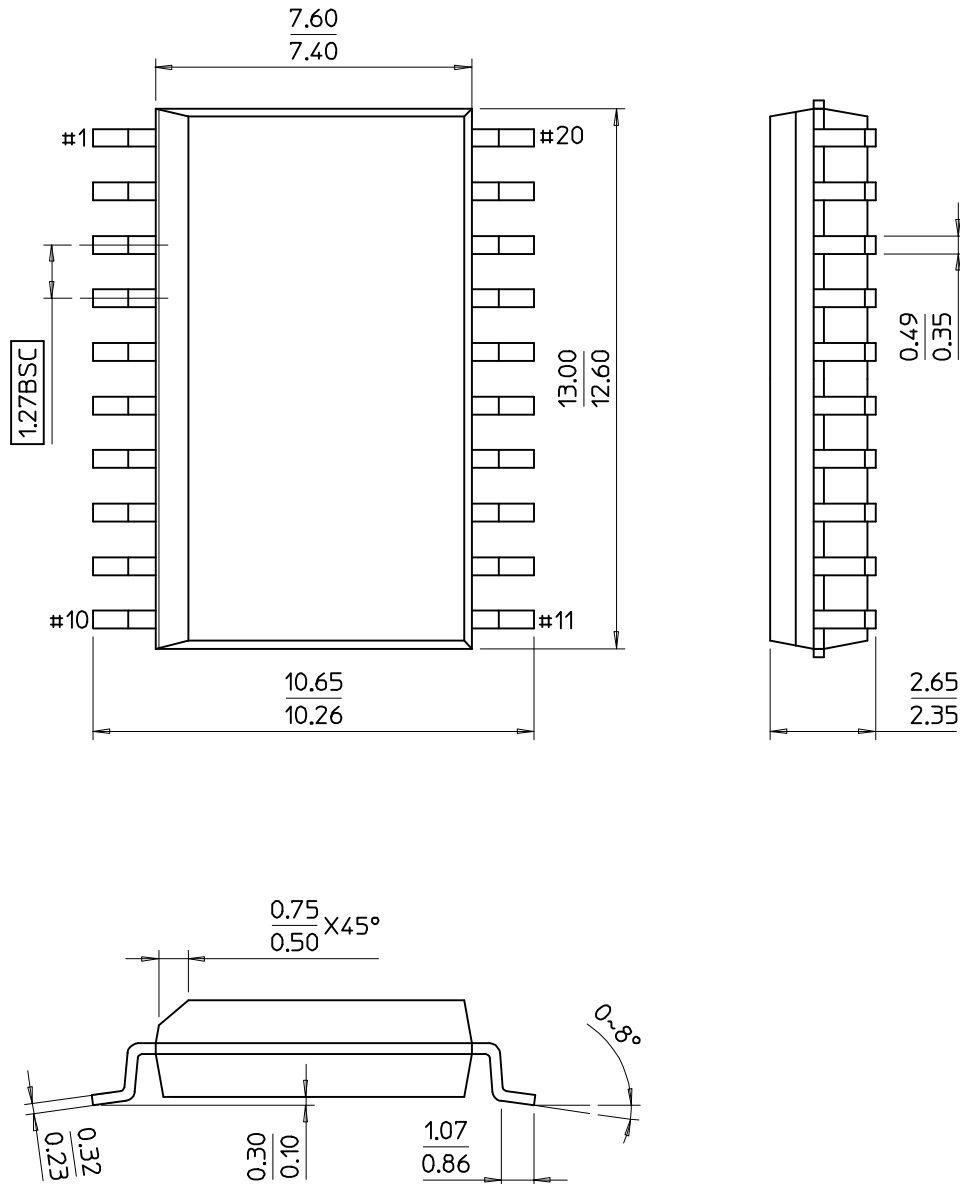
20-SOP-375

Dimensions in Millimeters/inches



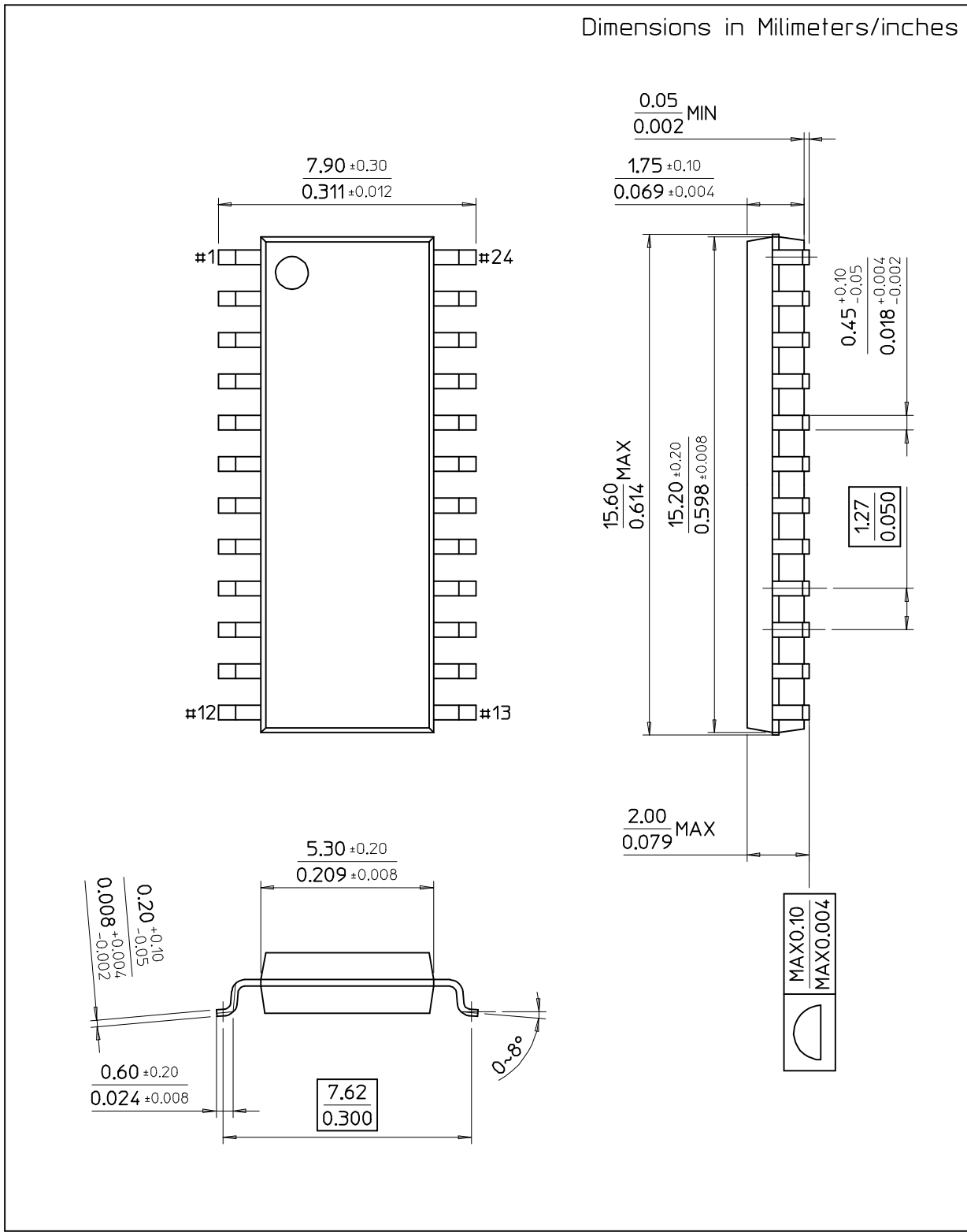
20-SOP-BD300-SG

Dimensions in Millimeters



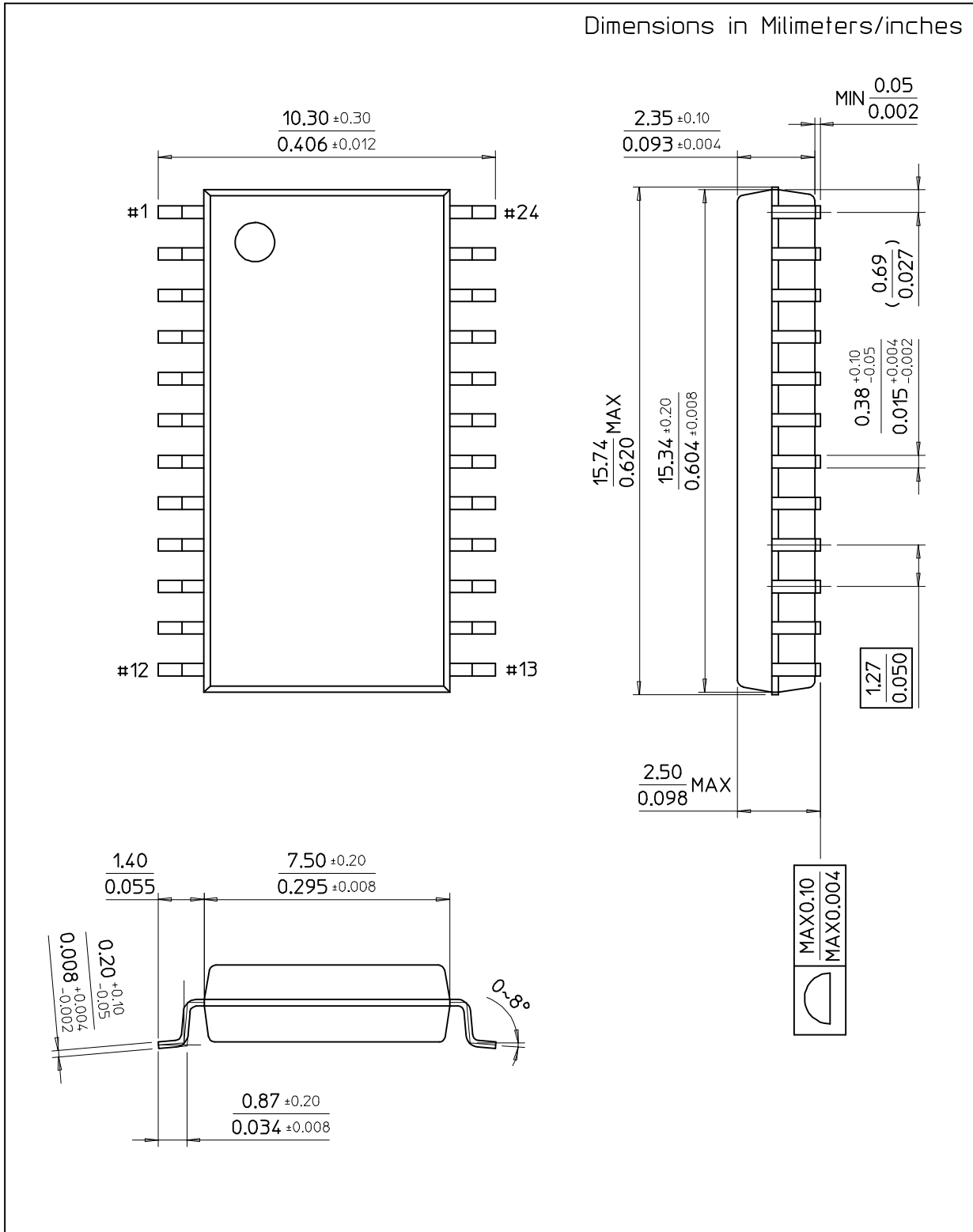
24-SOP-300

Dimensions in Millimeters/inches



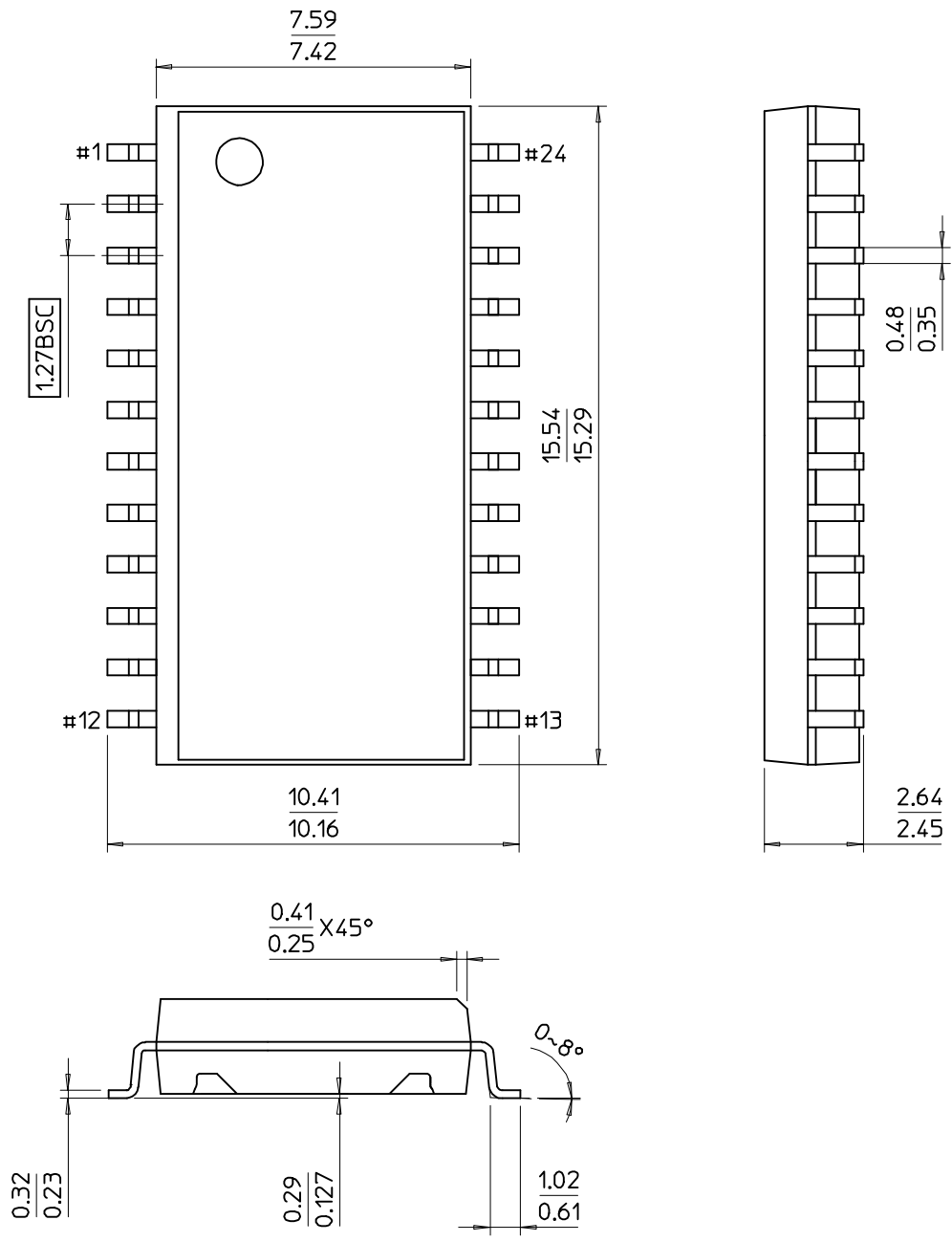
24-SOP-375

Dimensions in Millimeters/inches



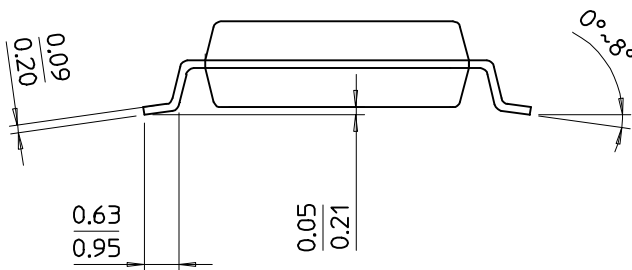
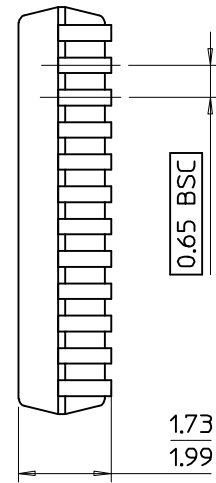
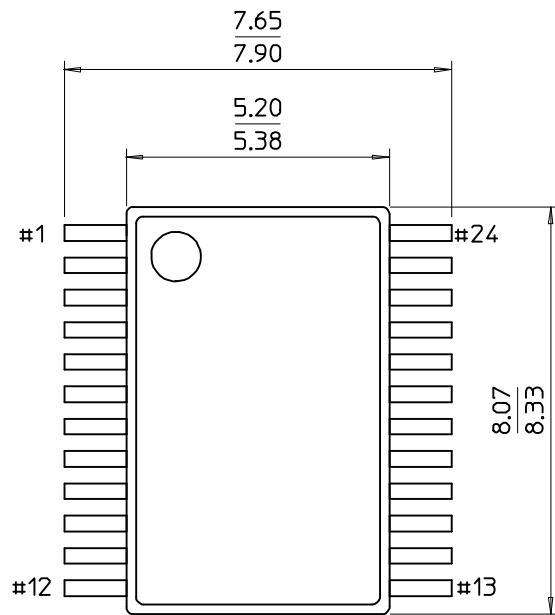
24-SOP-BD300-SG

Dimensions in Millimeters



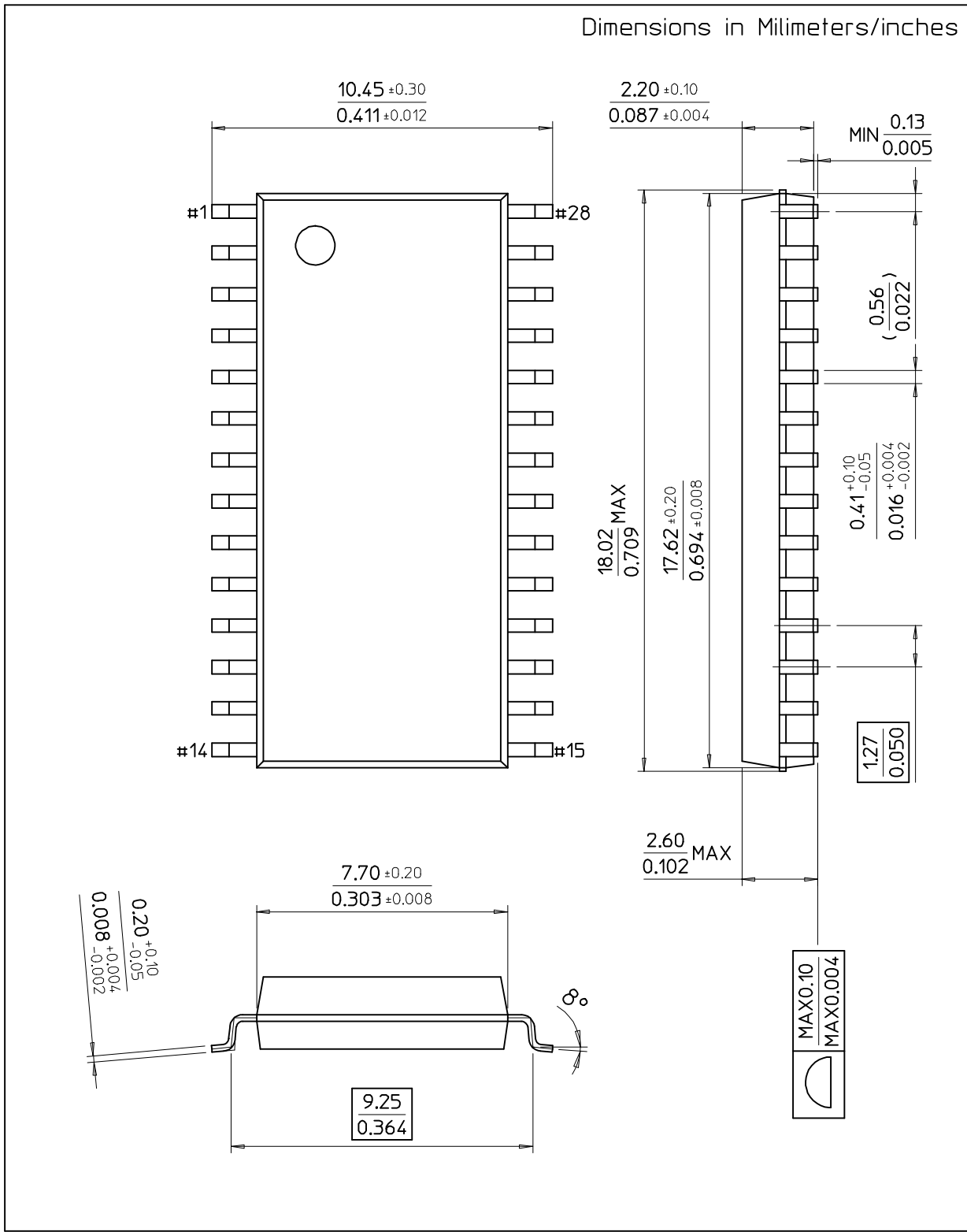
24-SSOP-BD209-AN

Dimensions in Millimeters



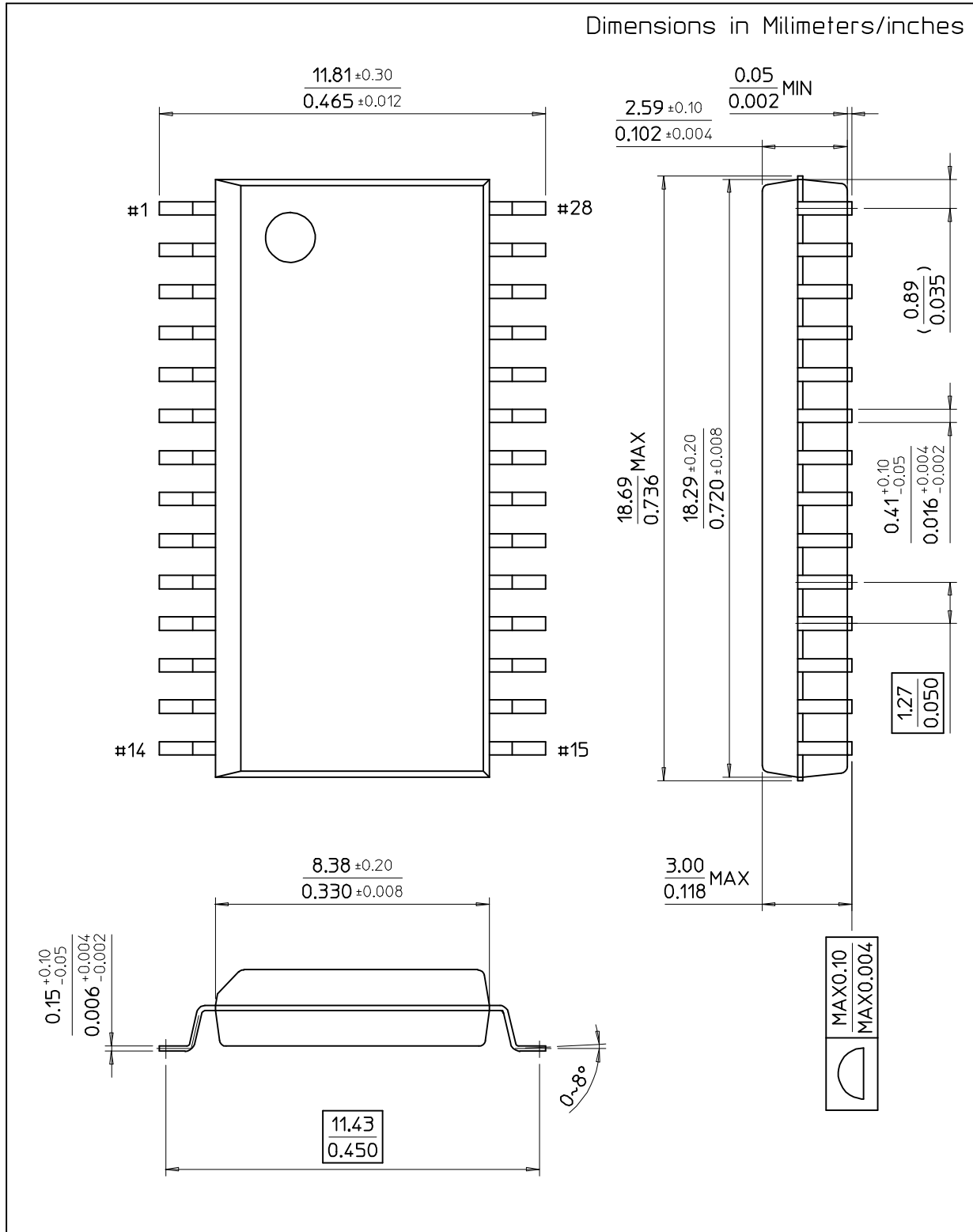
28-SOP-375

Dimensions in Millimeters/inches



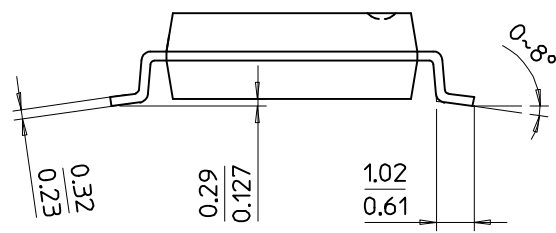
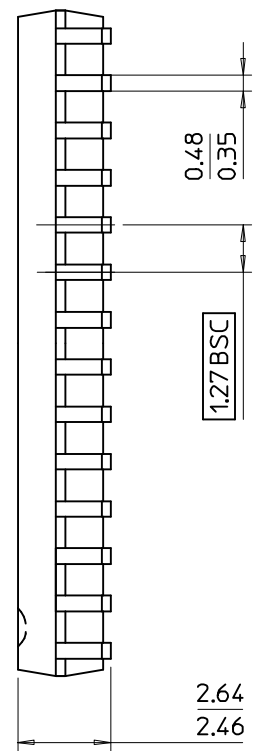
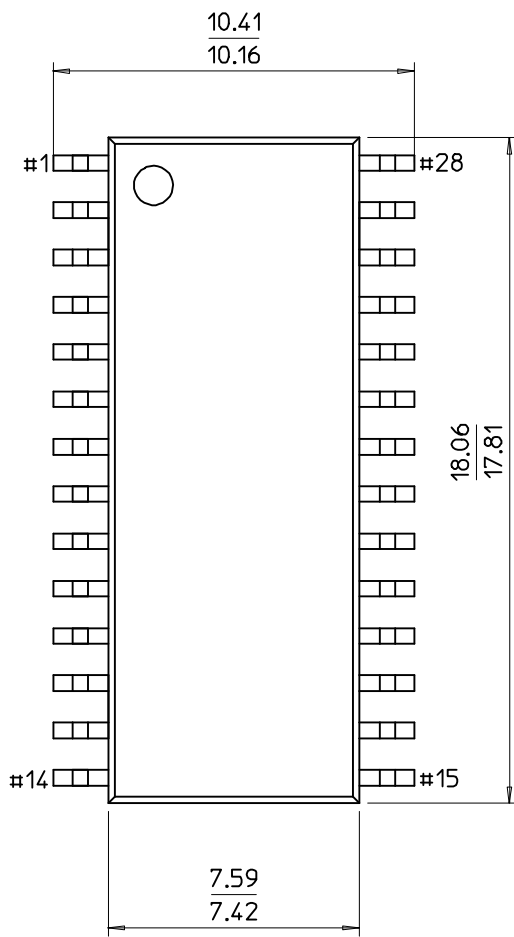
28-SOP-450

Dimensions in Millimeters/inches



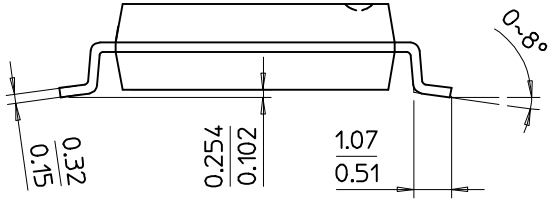
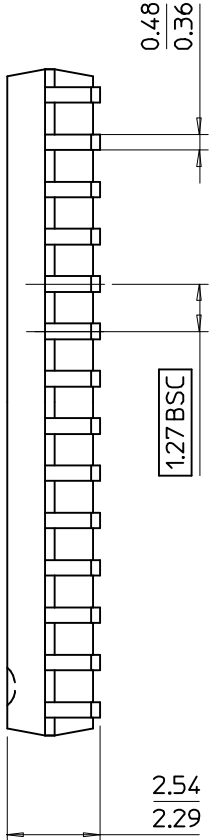
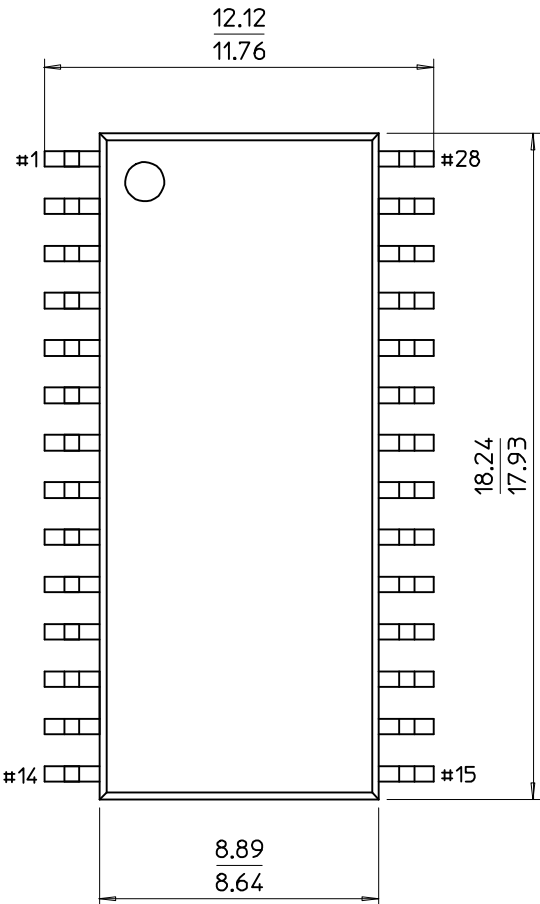
28-SOP-BD300-AN

Dimensions in Millimeters



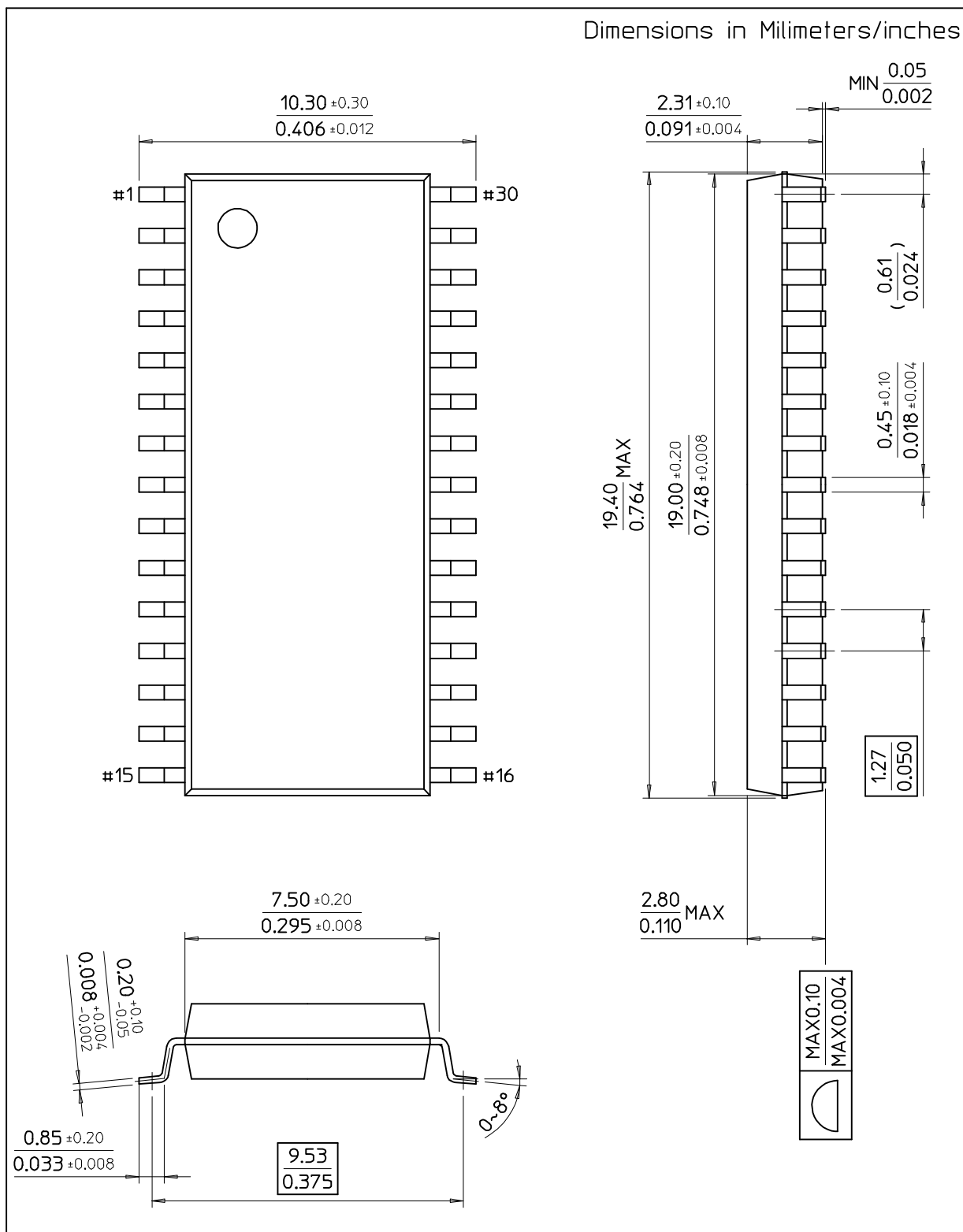
28-SOP-BD350-AN

Dimensions in Millimeters



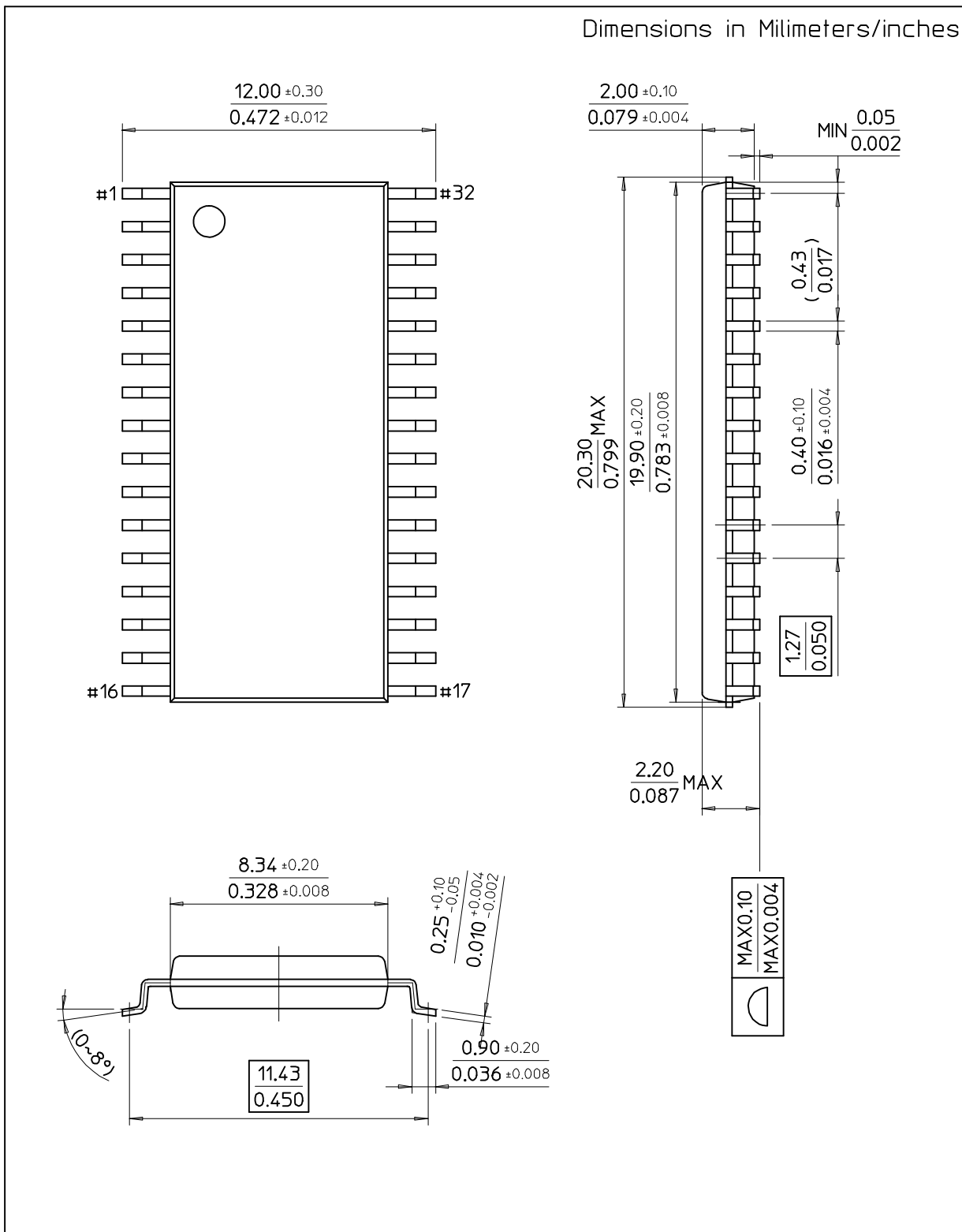
30-SOP-375

Dimensions in Millimeters/inches



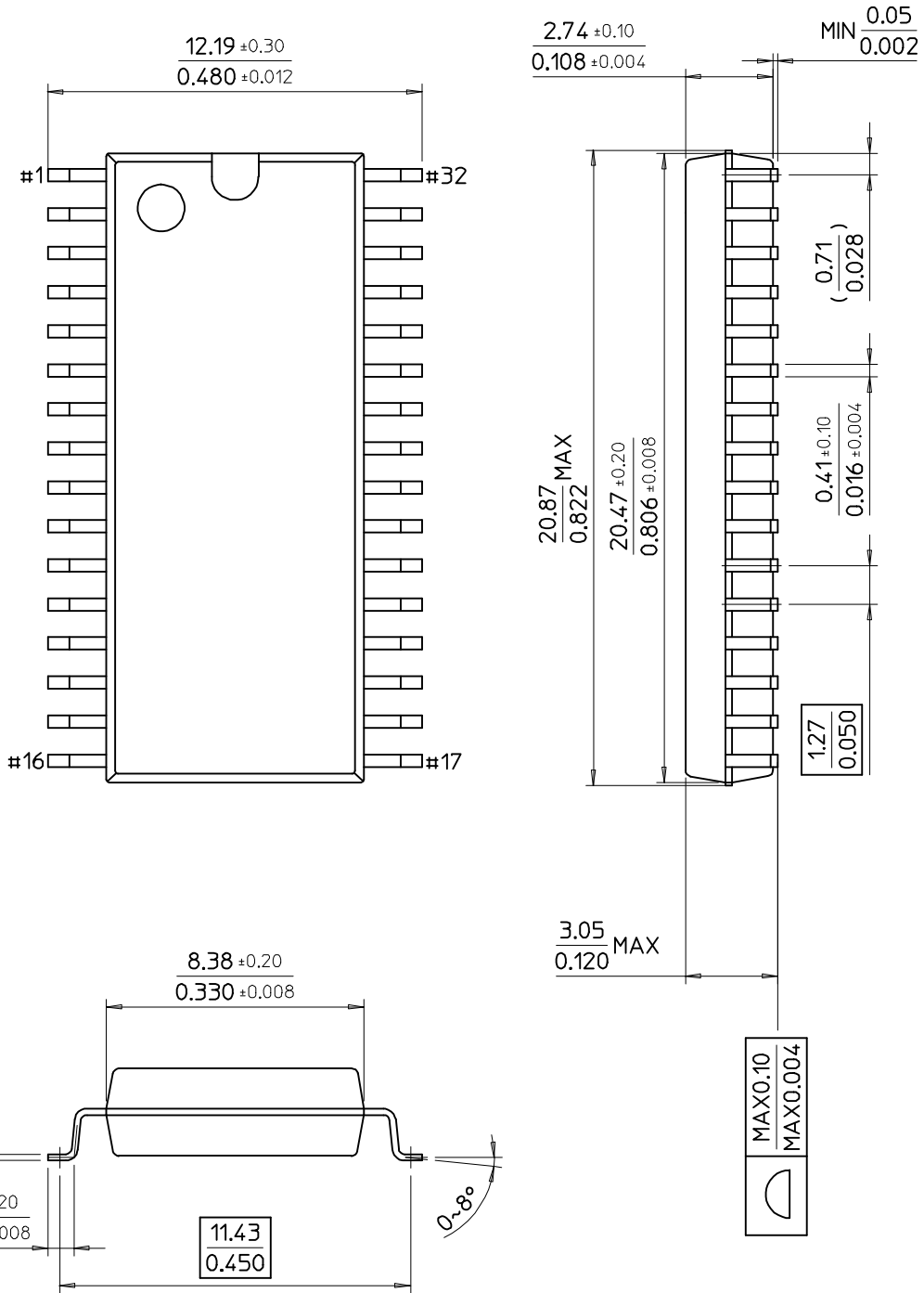
32-SOP-450A

Dimensions in Millimeters/inches



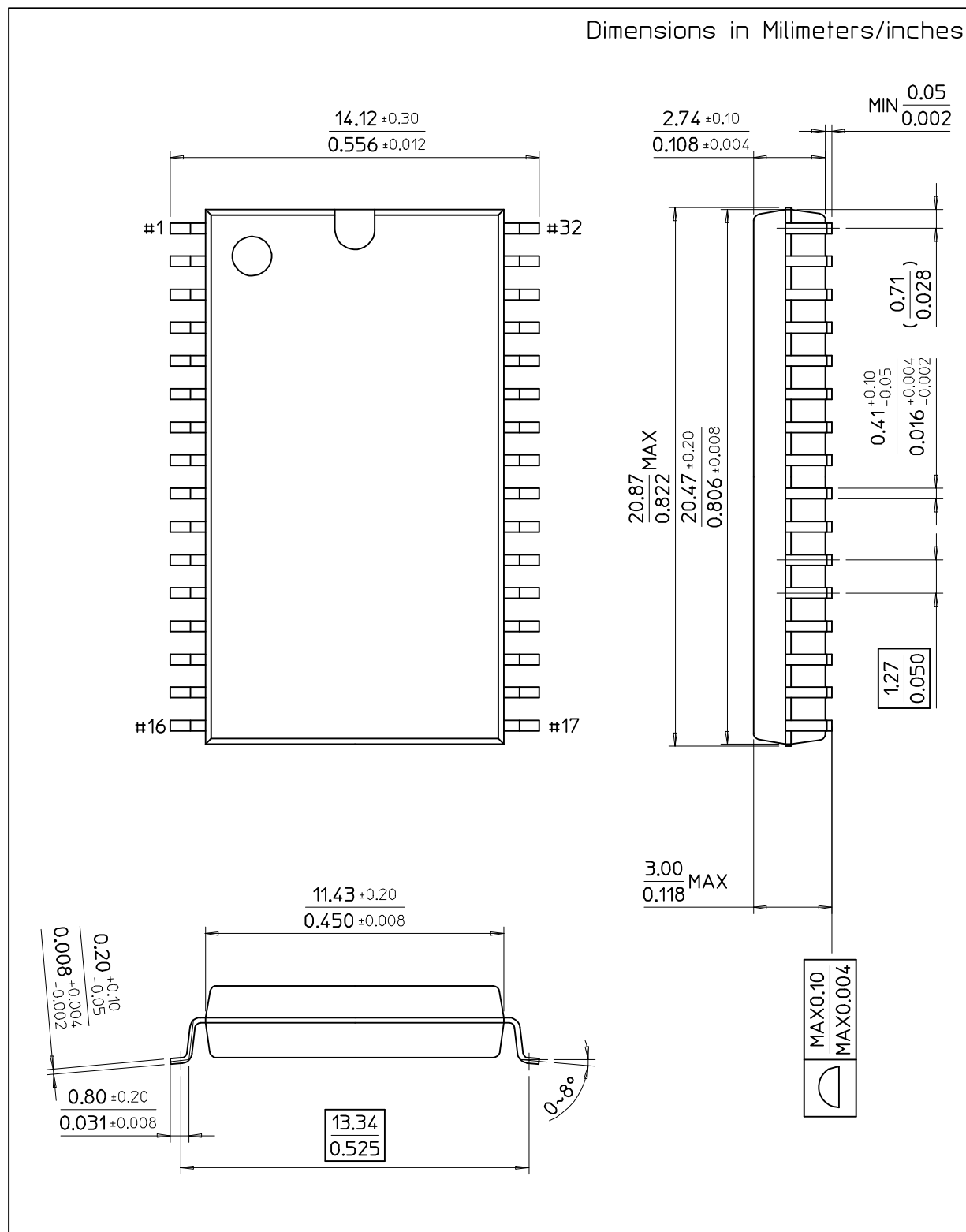
32-SOP-450B

Dimensions in Millimeters/inches



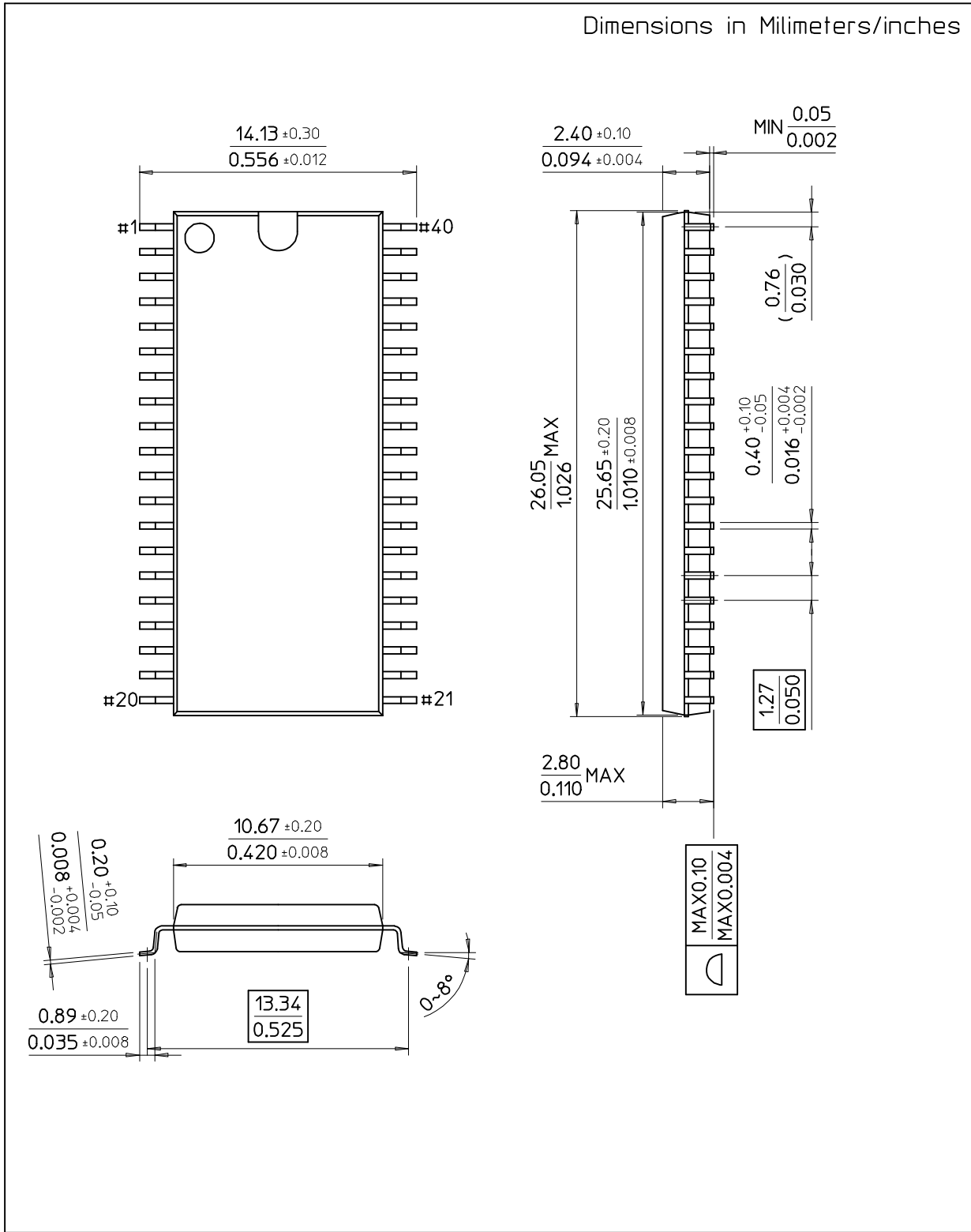
32-SOP-525

Dimensions in Millimeters/inches



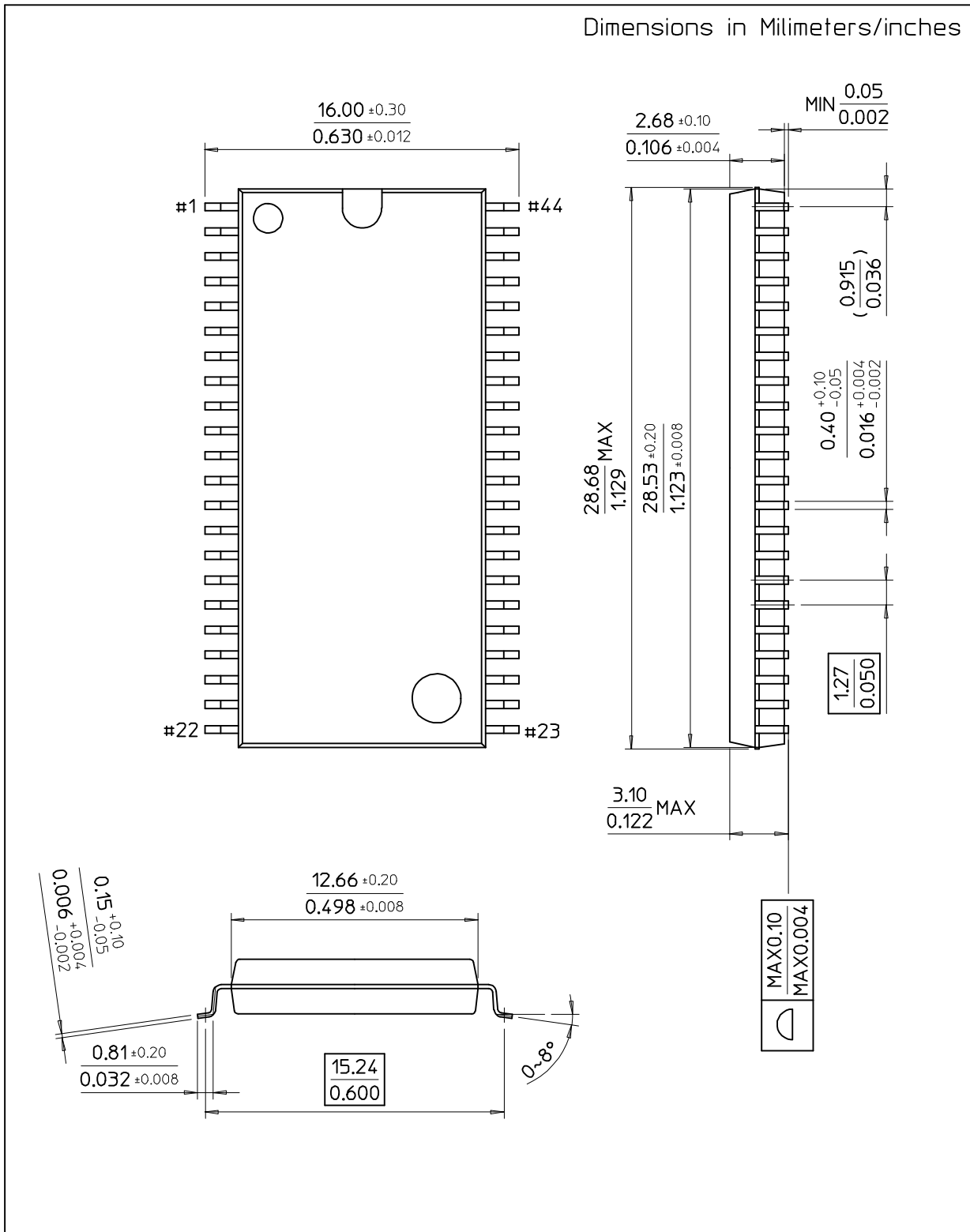
40-SOP-525

Dimensions in Millimeters/inches



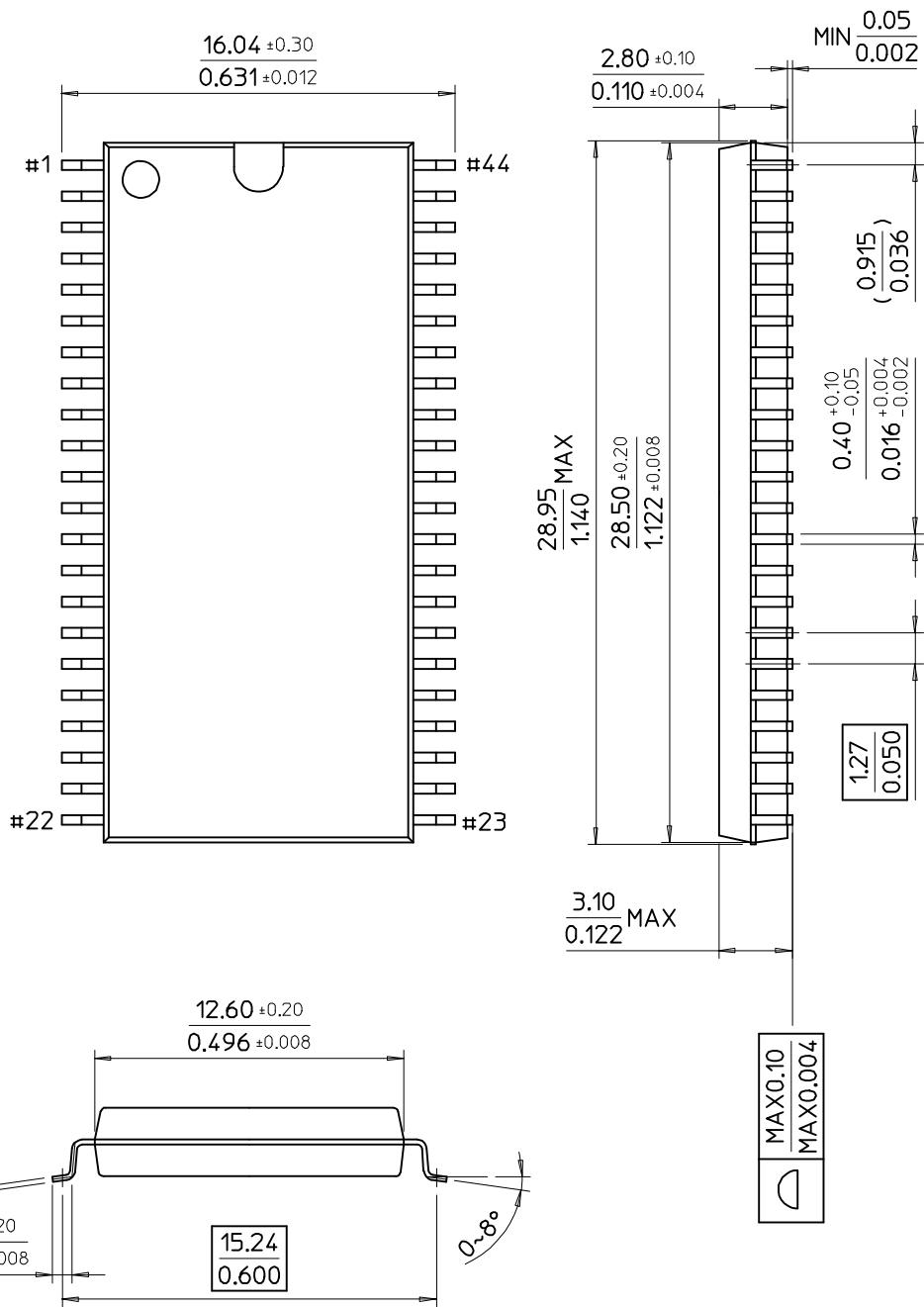
44-SOP-500BD

Dimensions in Millimeters/inches



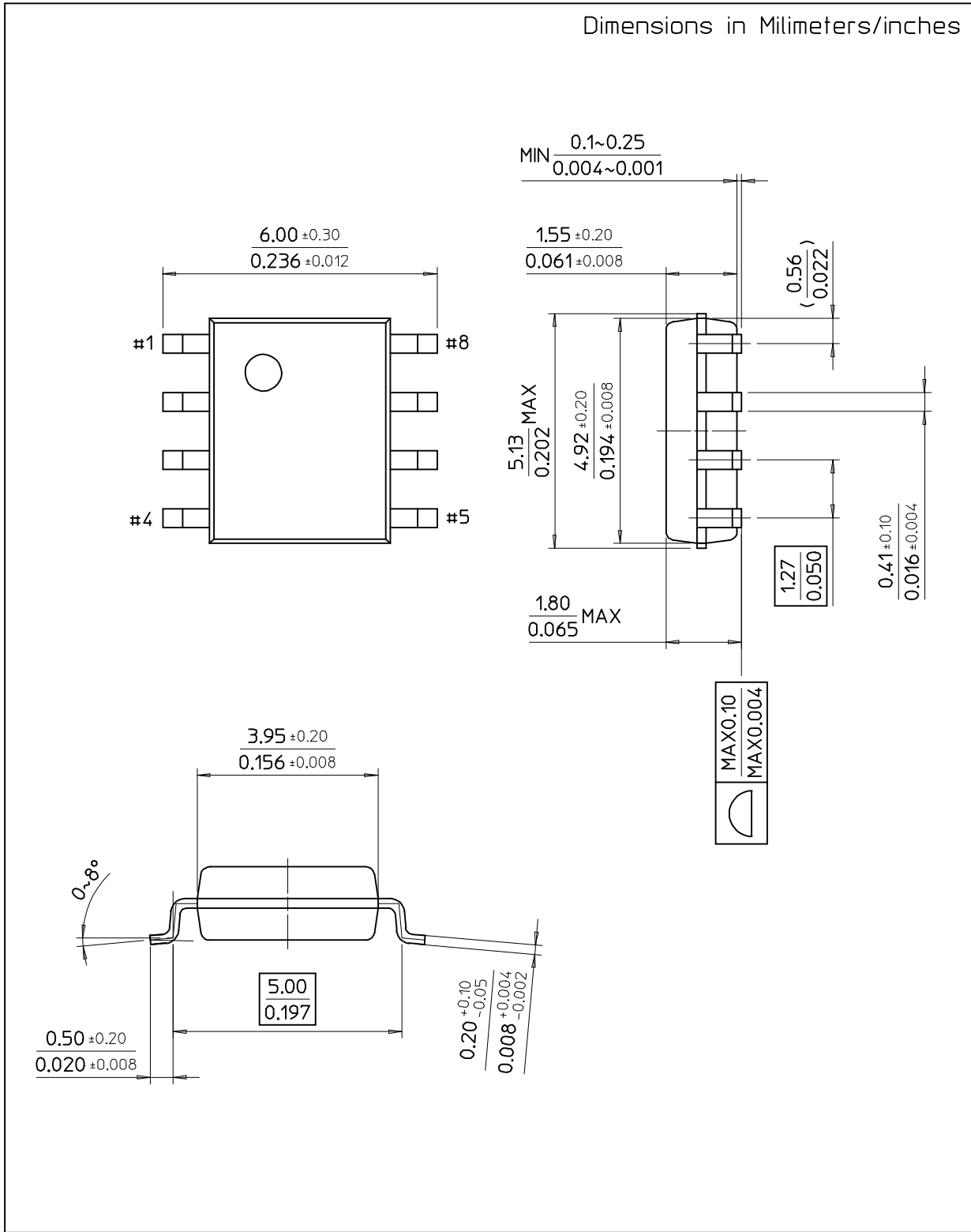
44-SOP-600

Dimensions in Millimeters/inches



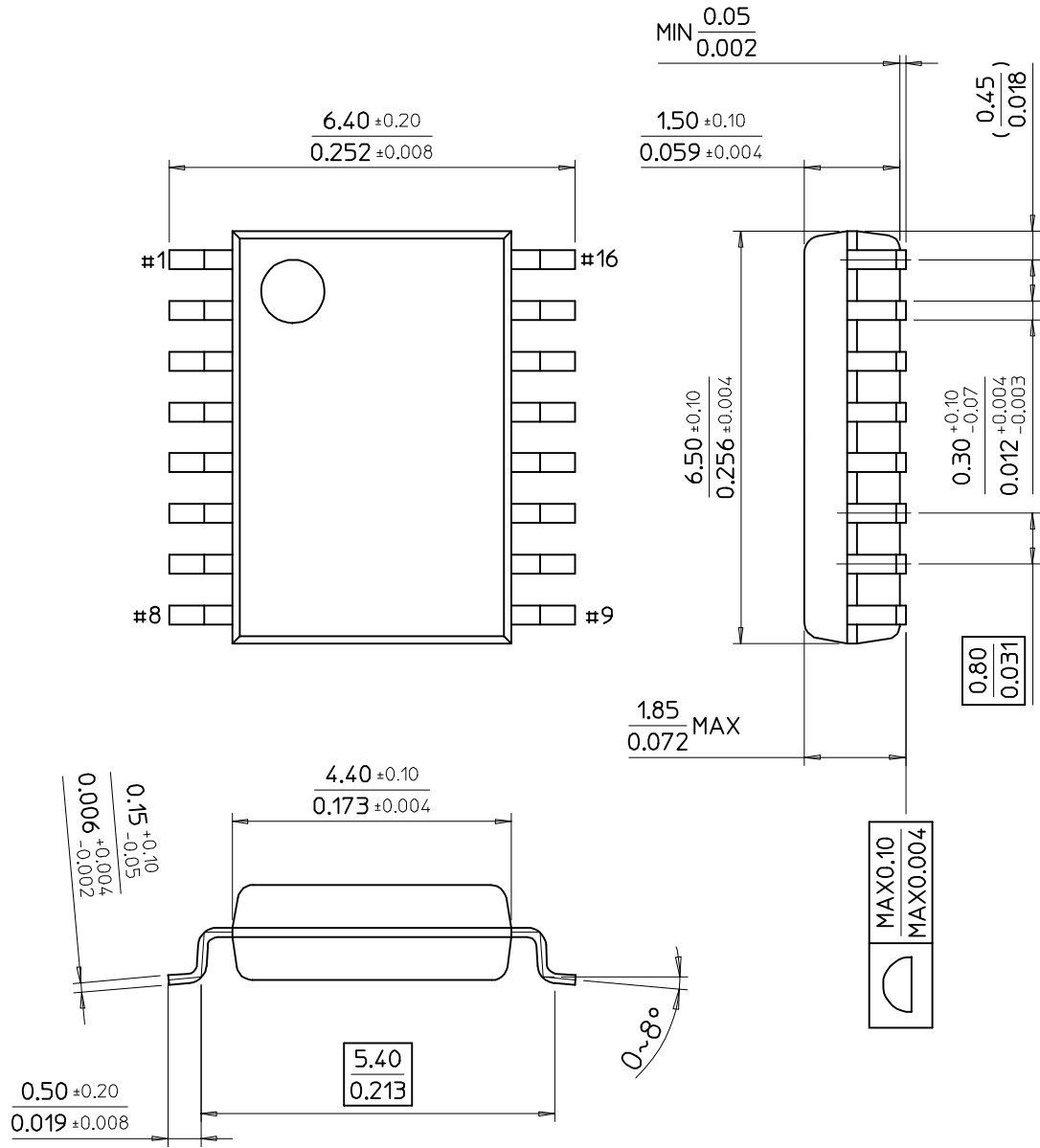
8-SOP-225

Dimensions in Millimeters/inches

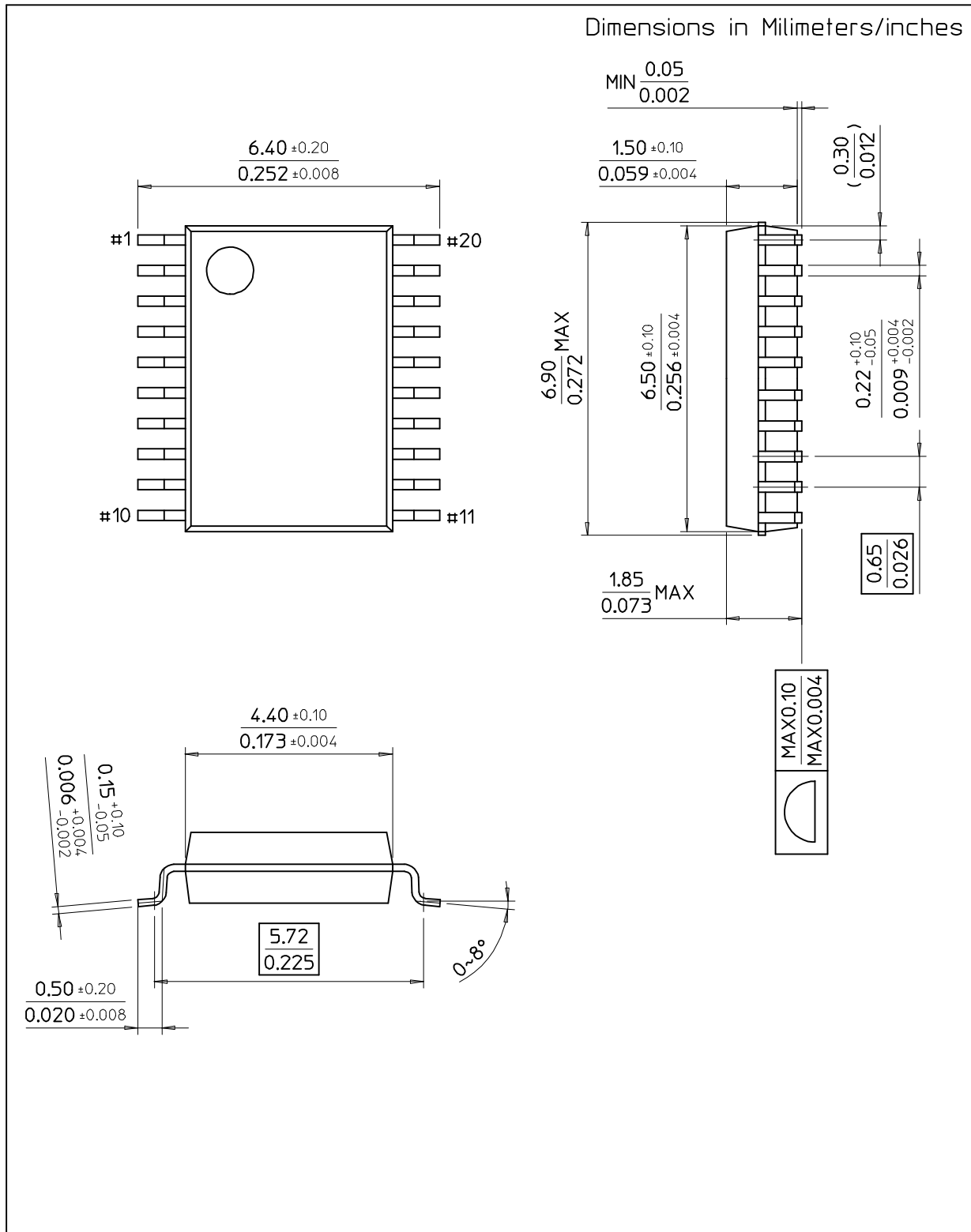


16-SSOP-BD44

Dimensions in Millimeters/inches

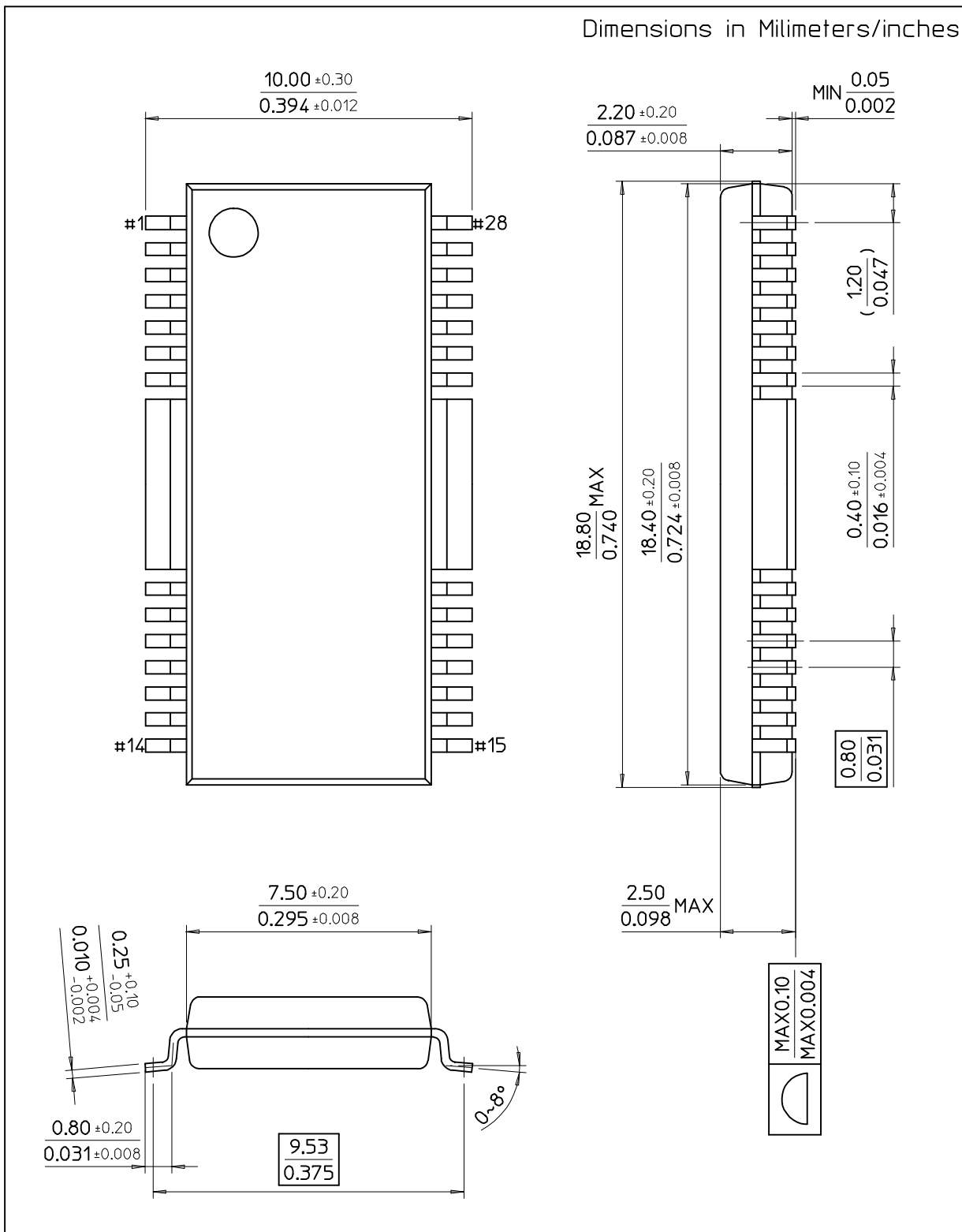


20-SSOP-225



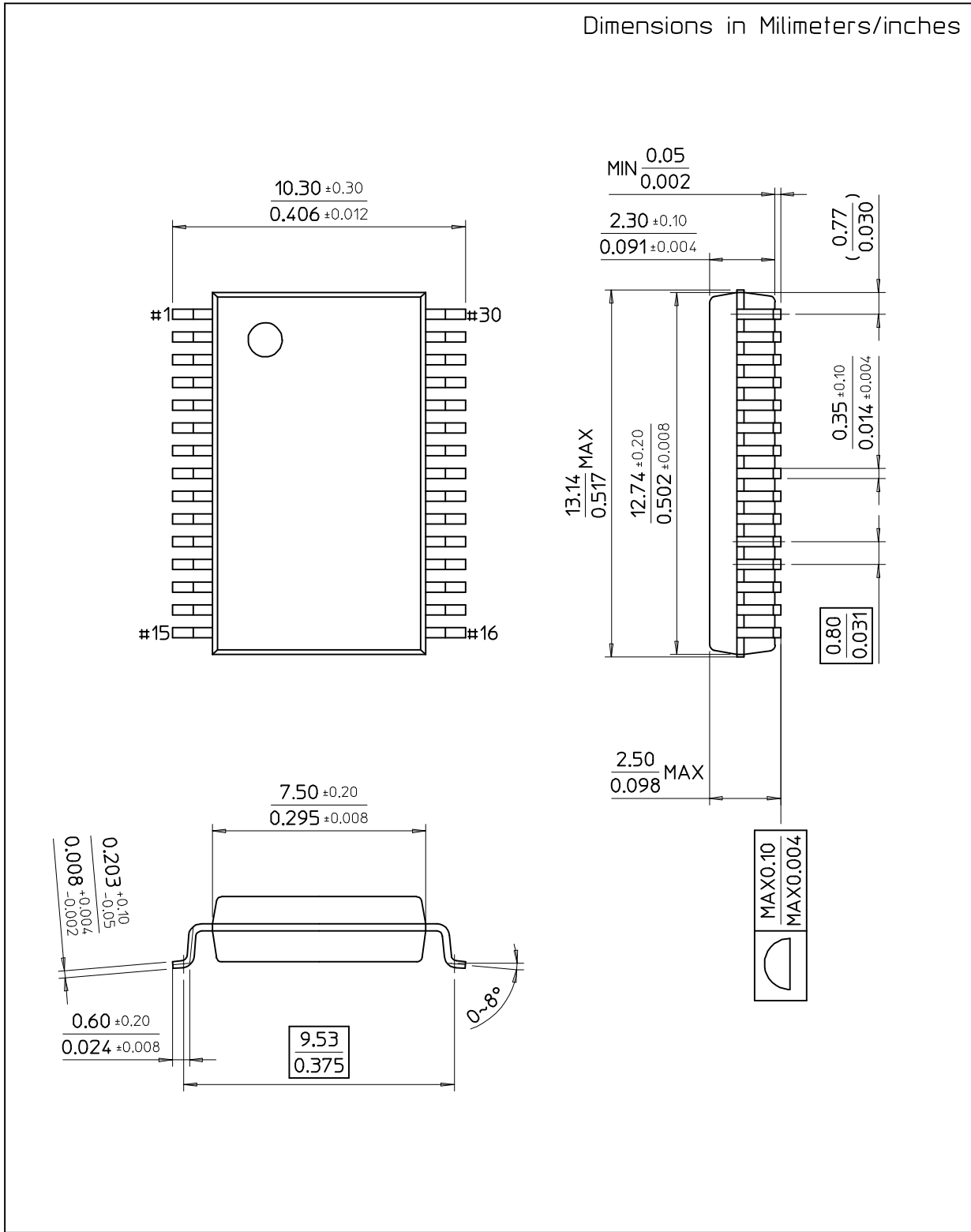
28-SSOPH-375

Dimensions in Millimeters/inches



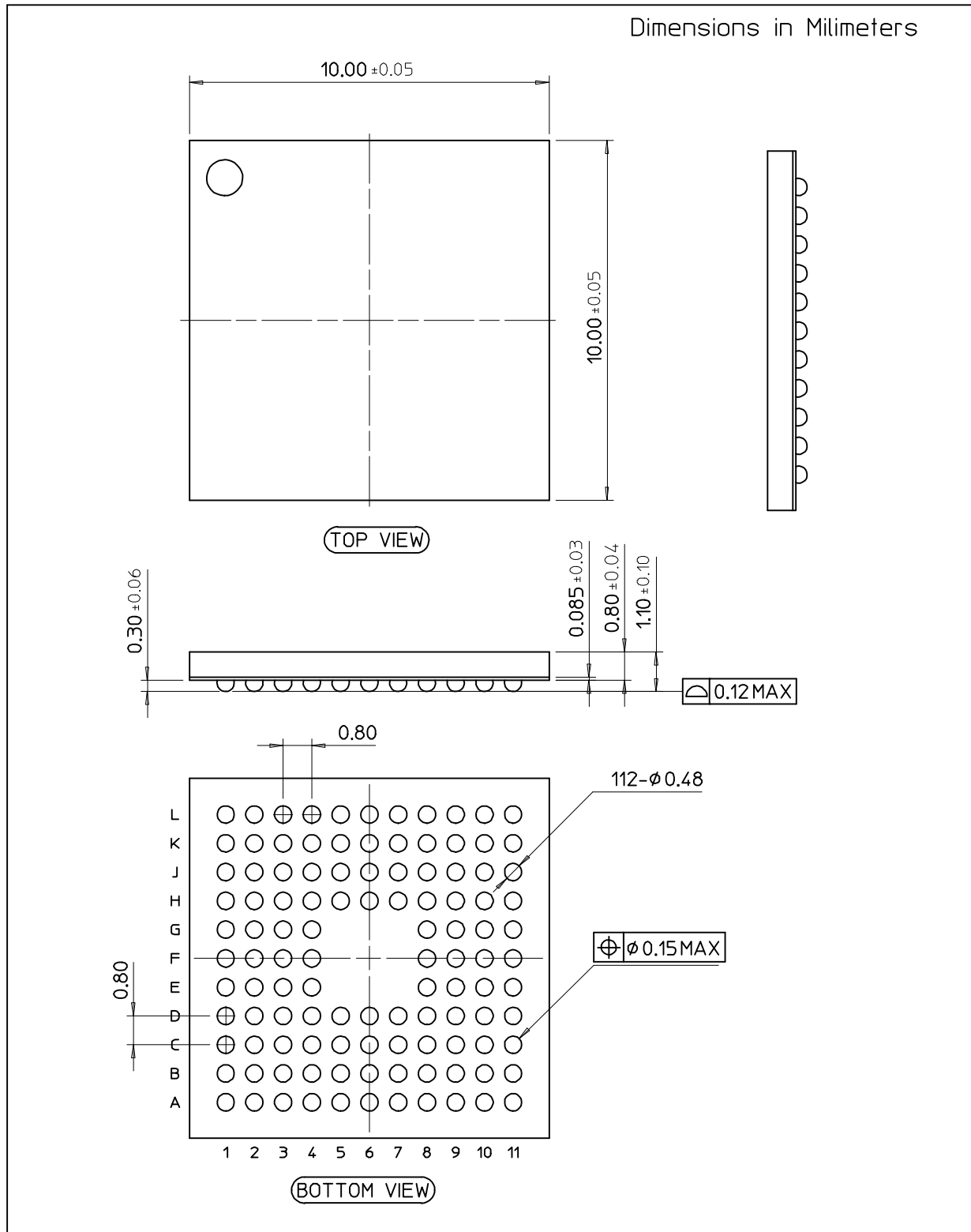
30-SSOP-375

Dimensions in Millimeters/inches



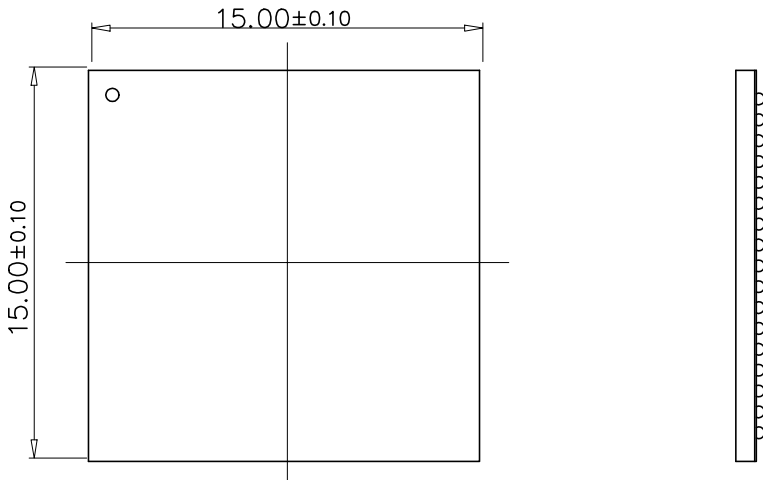
112-TBGA-1010-AN

Dimensions in Millimeters

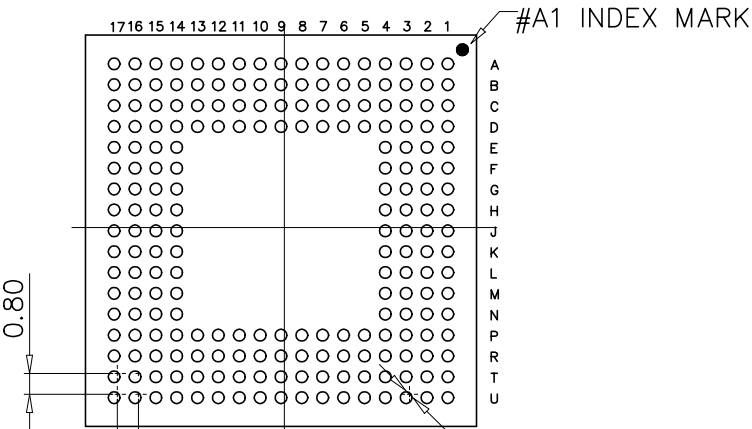
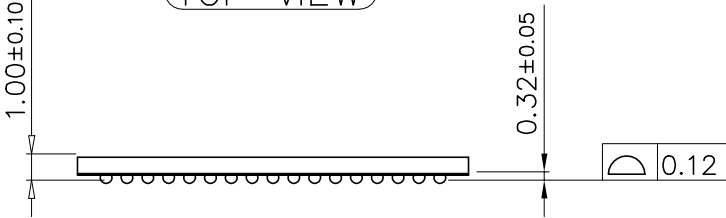


208-TBGA-1515

Dimensions in Milimeters



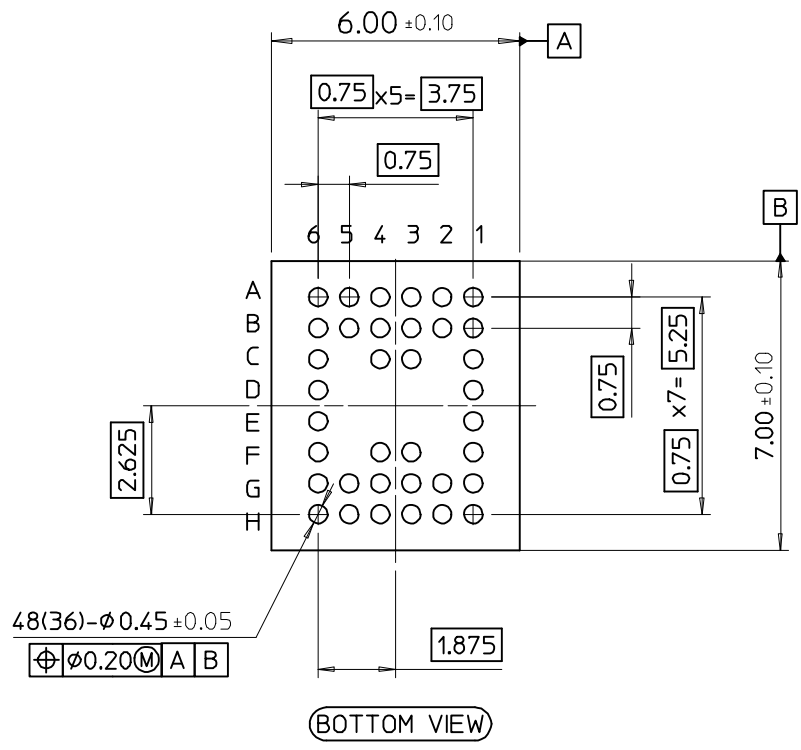
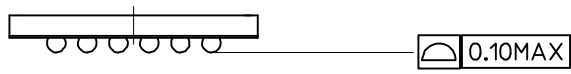
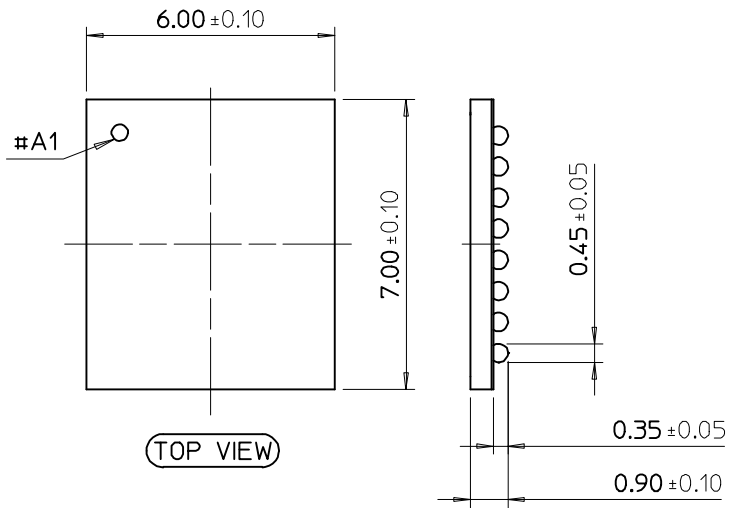
TOP VIEW



BOTTOM VIEW

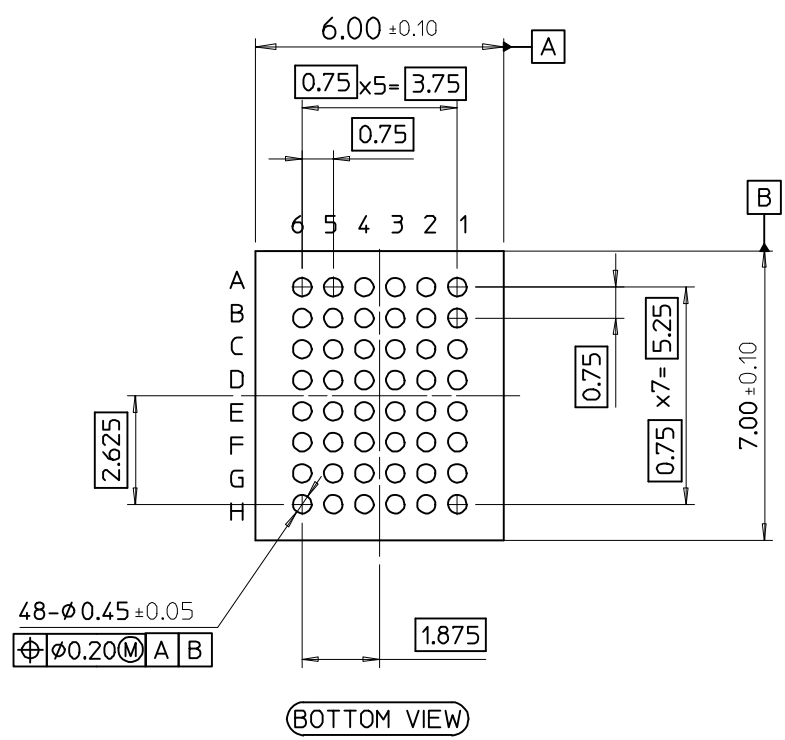
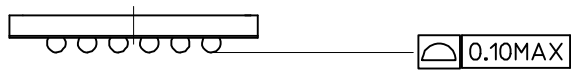
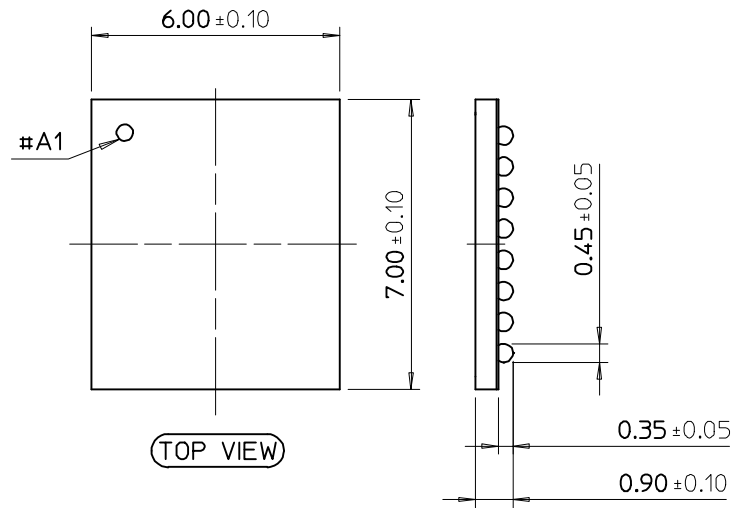
48(36)-TBGA-6.00x7.00

Dimensions in Millimeters



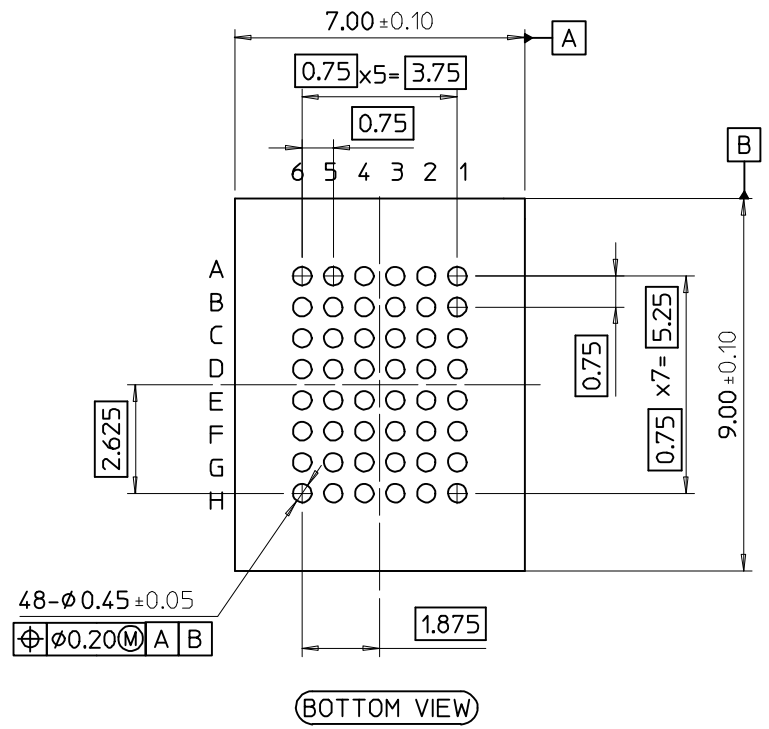
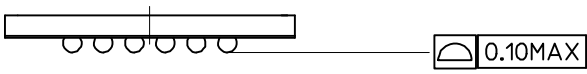
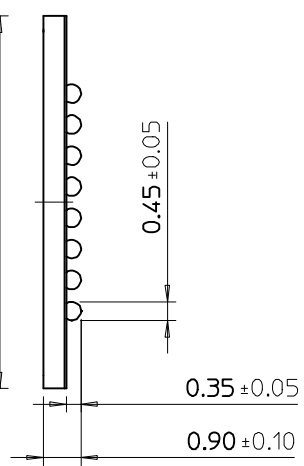
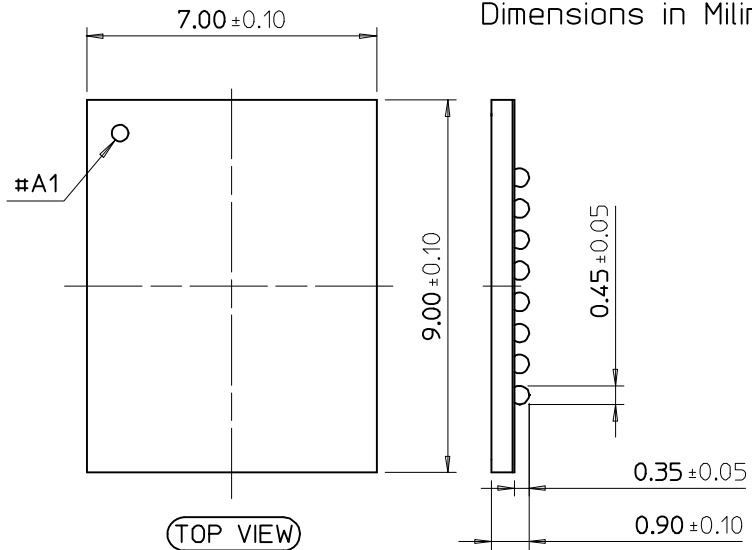
48-TBGA-6.00x7.00

Dimensions in Millimeters



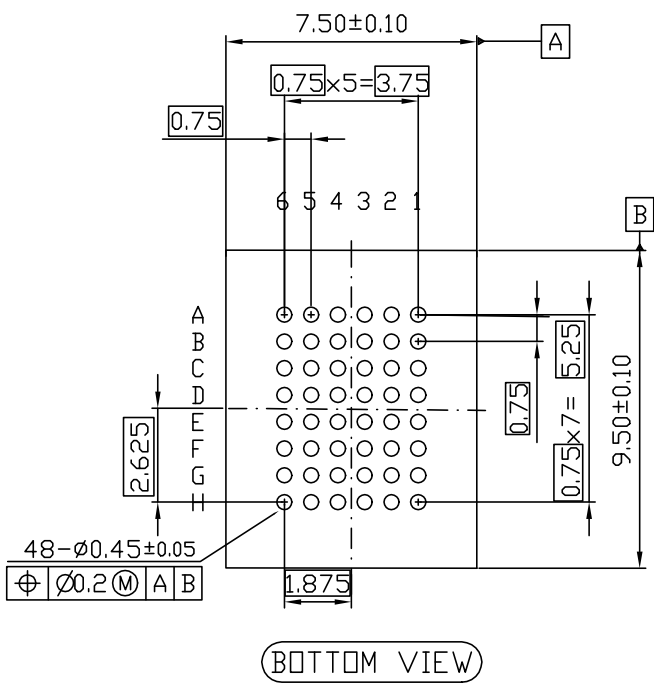
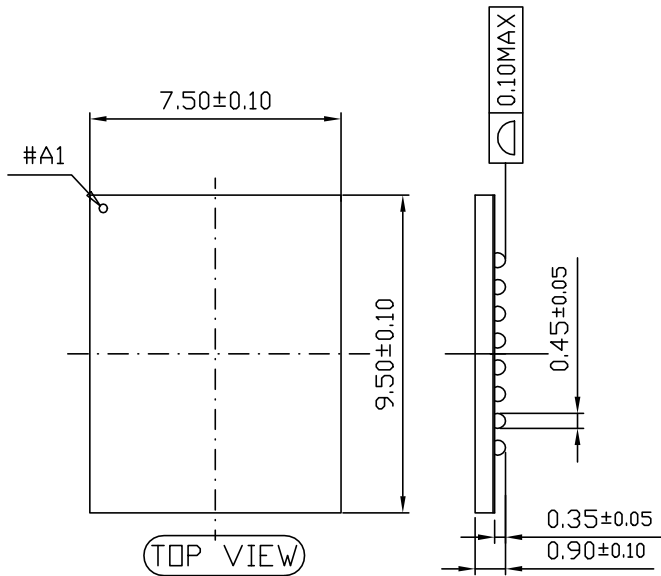
48-TBGA-7.00x9.00

Dimensions in Millimeters



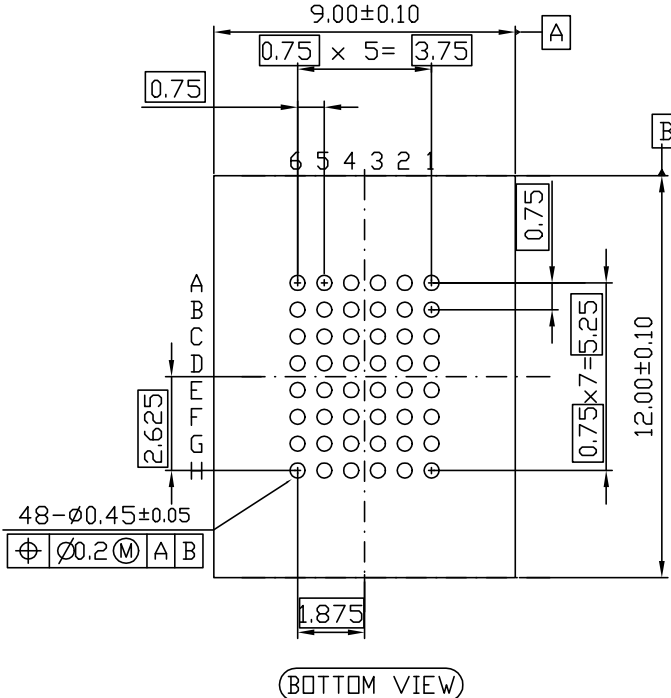
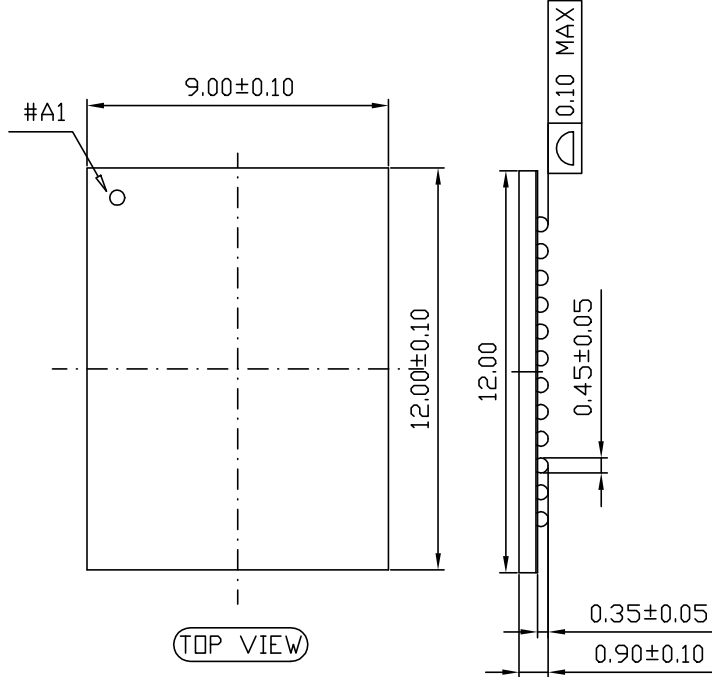
48-TBGA-7.5X9.5

Dimensions in Millimeters



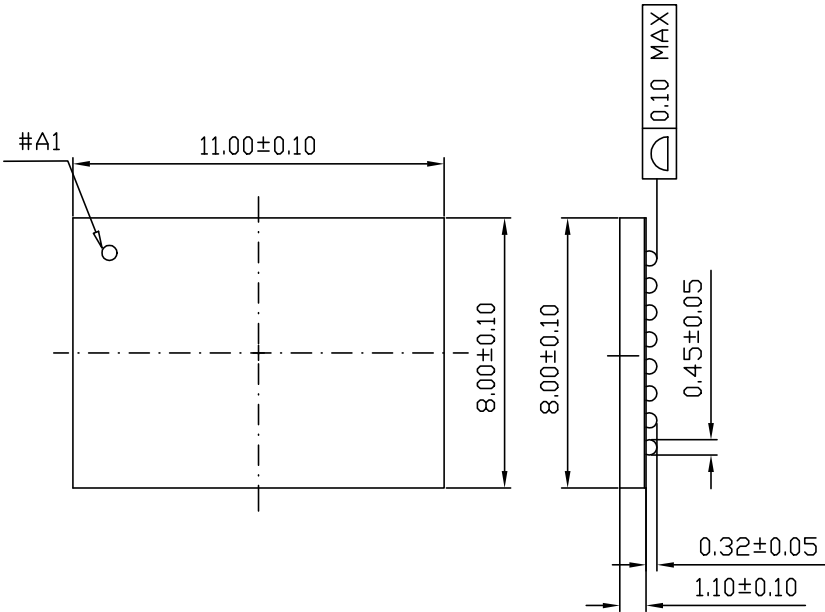
48-TBGA-9.0X12.0

Dimensions in Millimeters

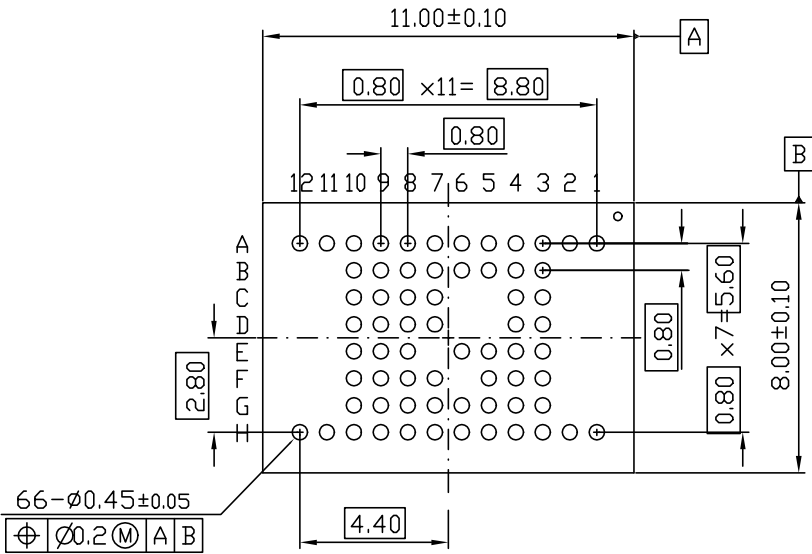


66-TBGA-8.00X11.0

Dimensions in Millimeters



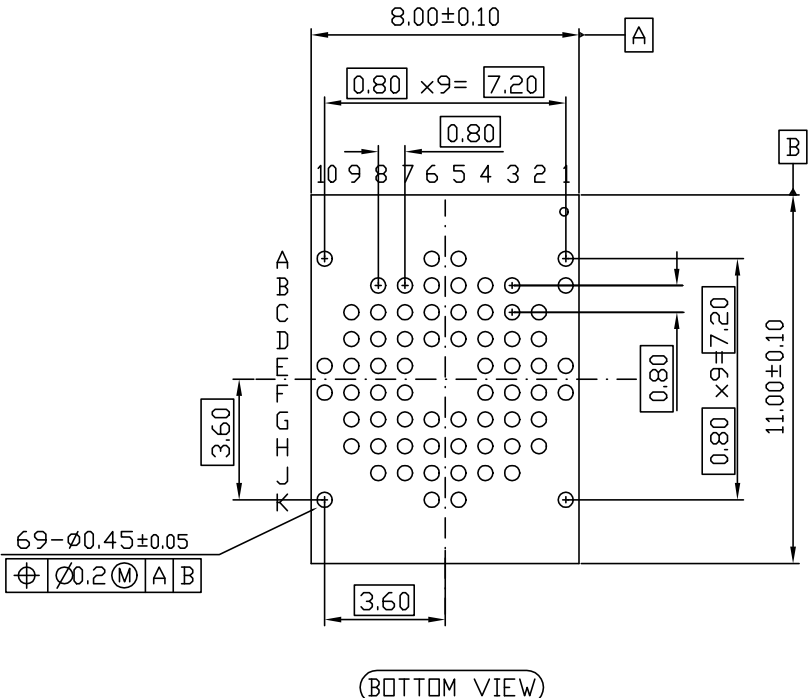
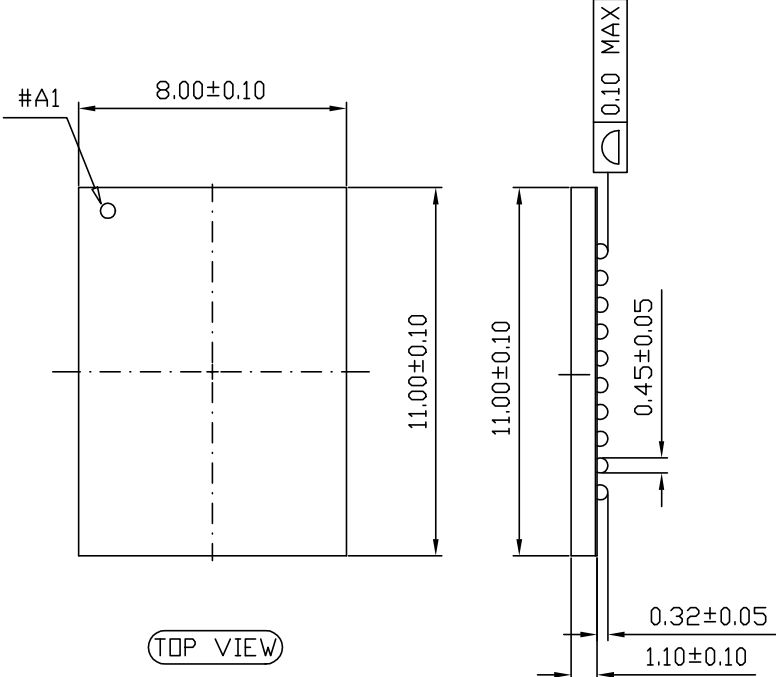
TOP VIEW



BOTTOM VIEW

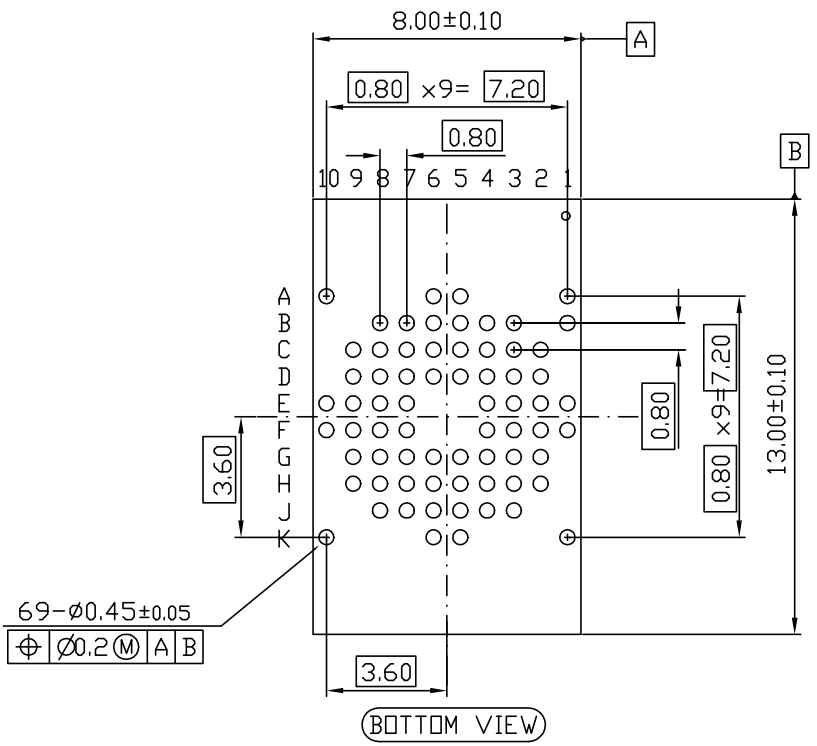
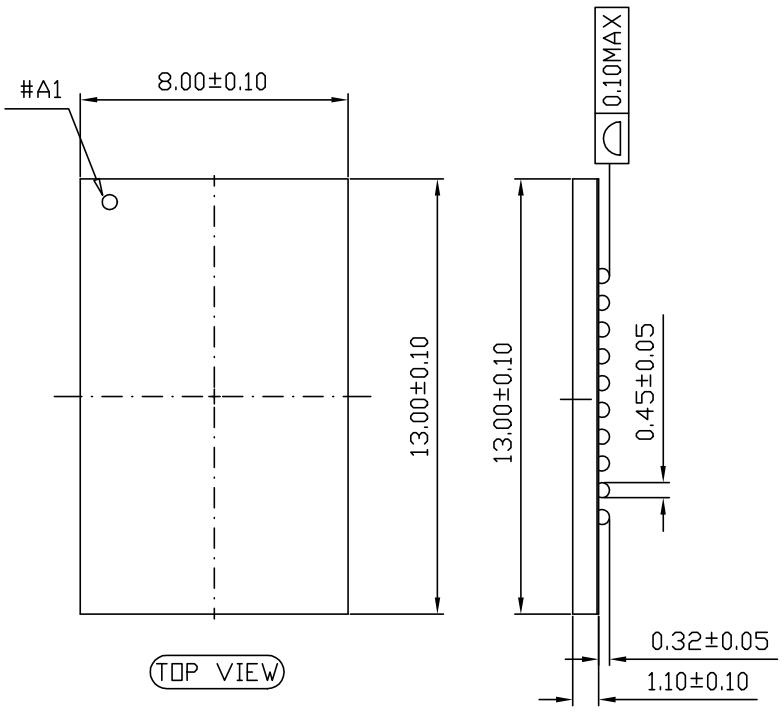
69-TBGA-8.00X11.0

Dimensions in Millimeters



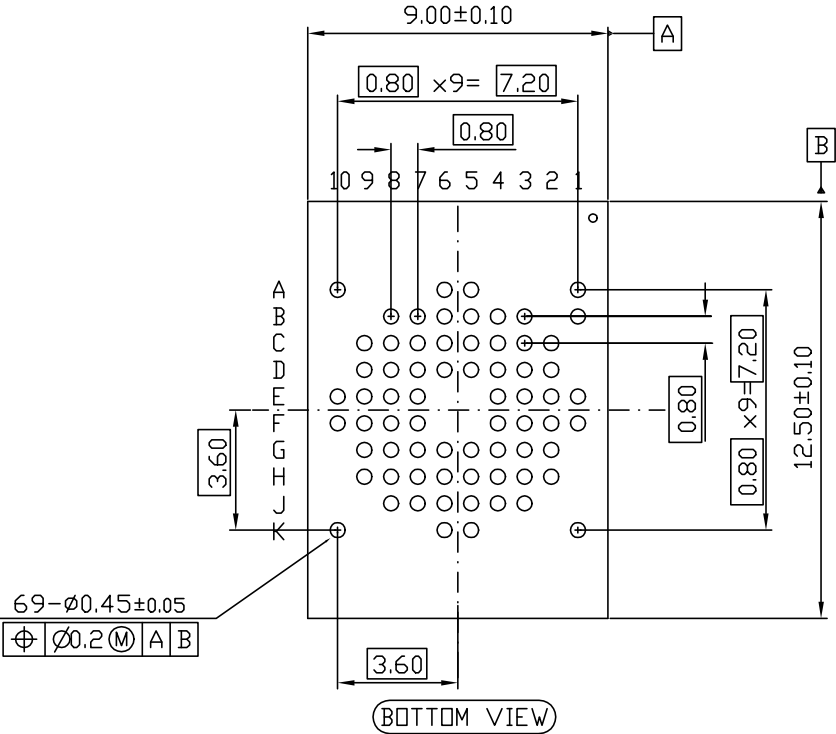
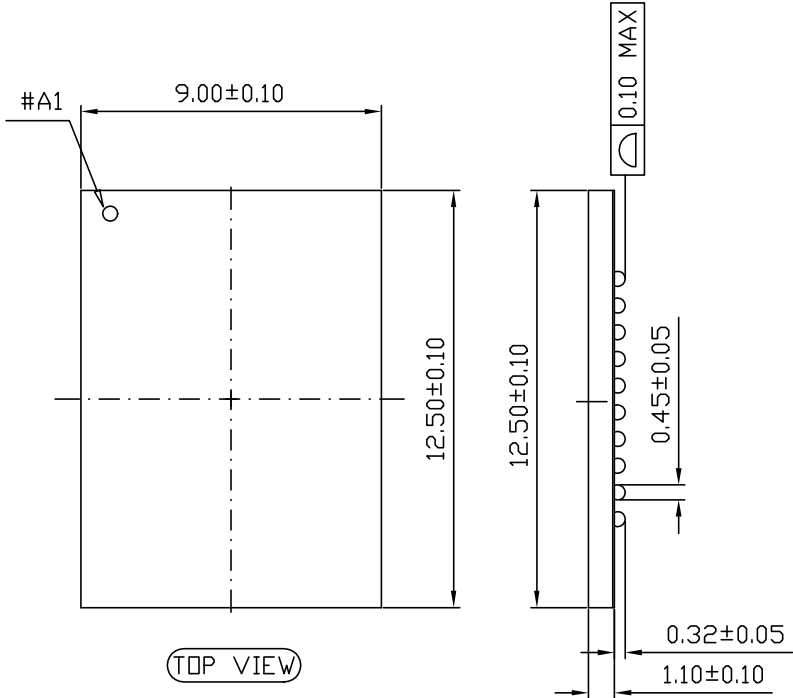
69-TBGA-8.00X13.0

Dimensions in Millimeters



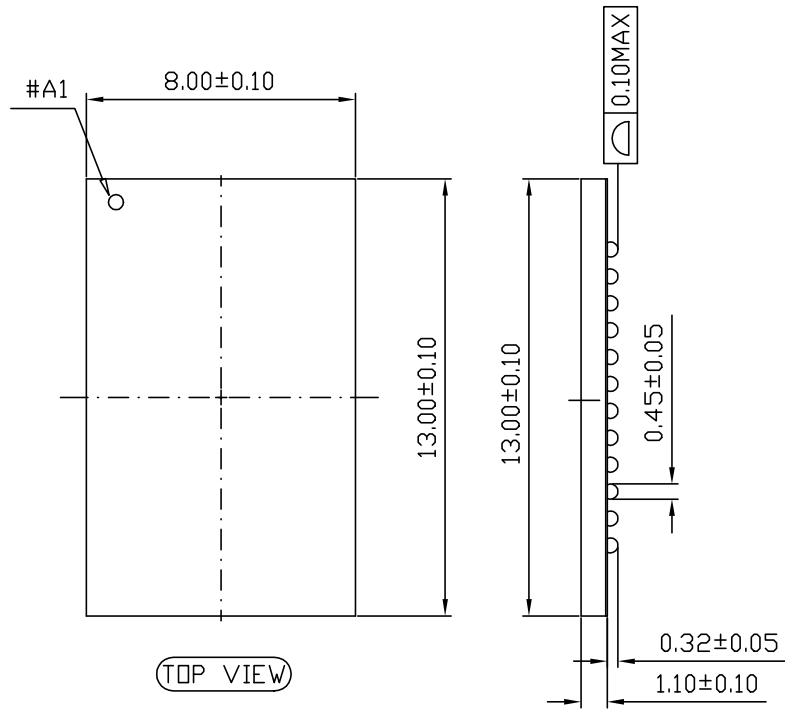
69-TBGA-9.00X12.5

Dimensions in Millimeters

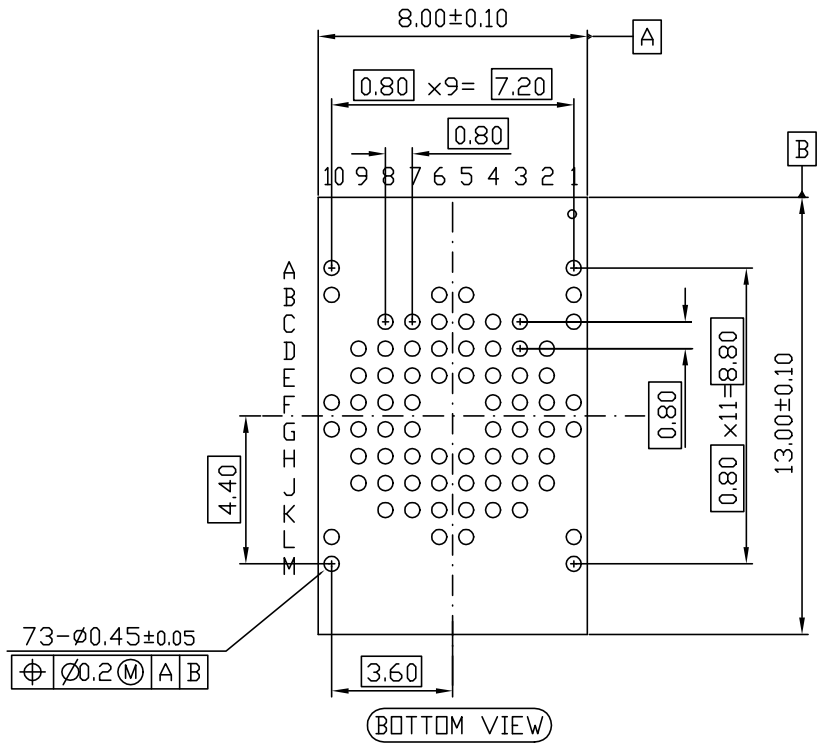


73-TBGA-8.00X13.0

Dimensions in Millimeters



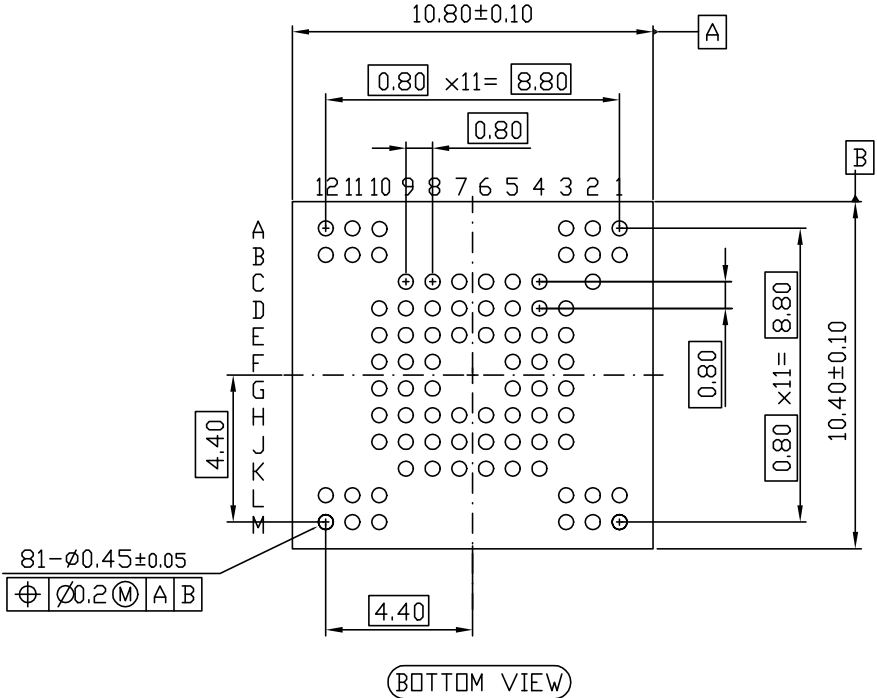
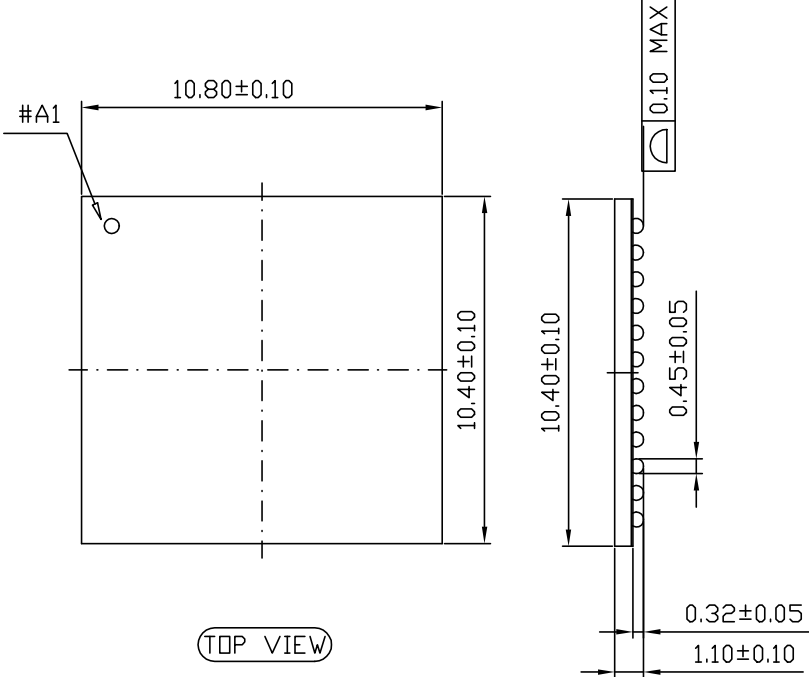
TOP VIEW



BOTTOM VIEW

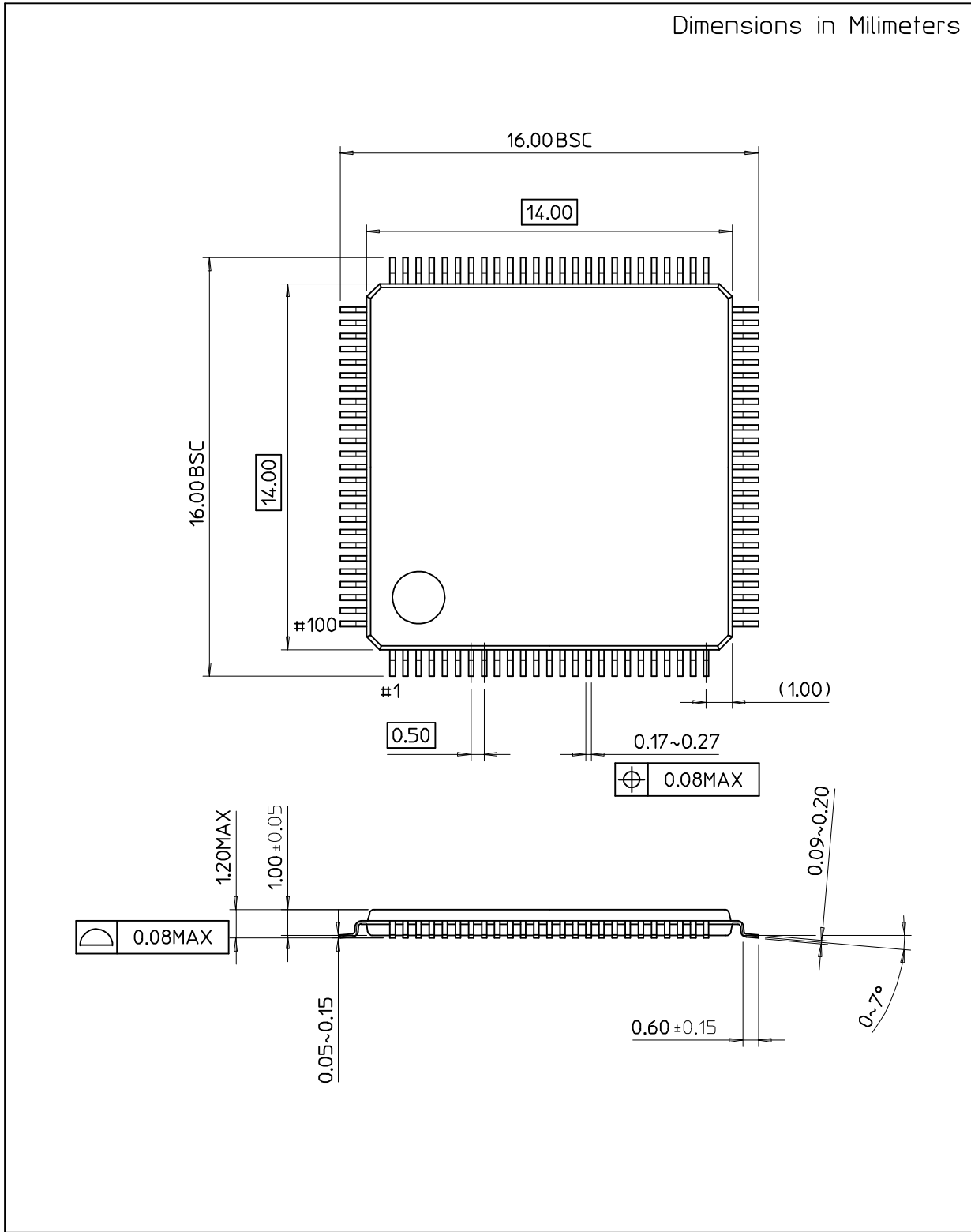
81-TBGA-10.4X10.8

Dimensions in Millimeters



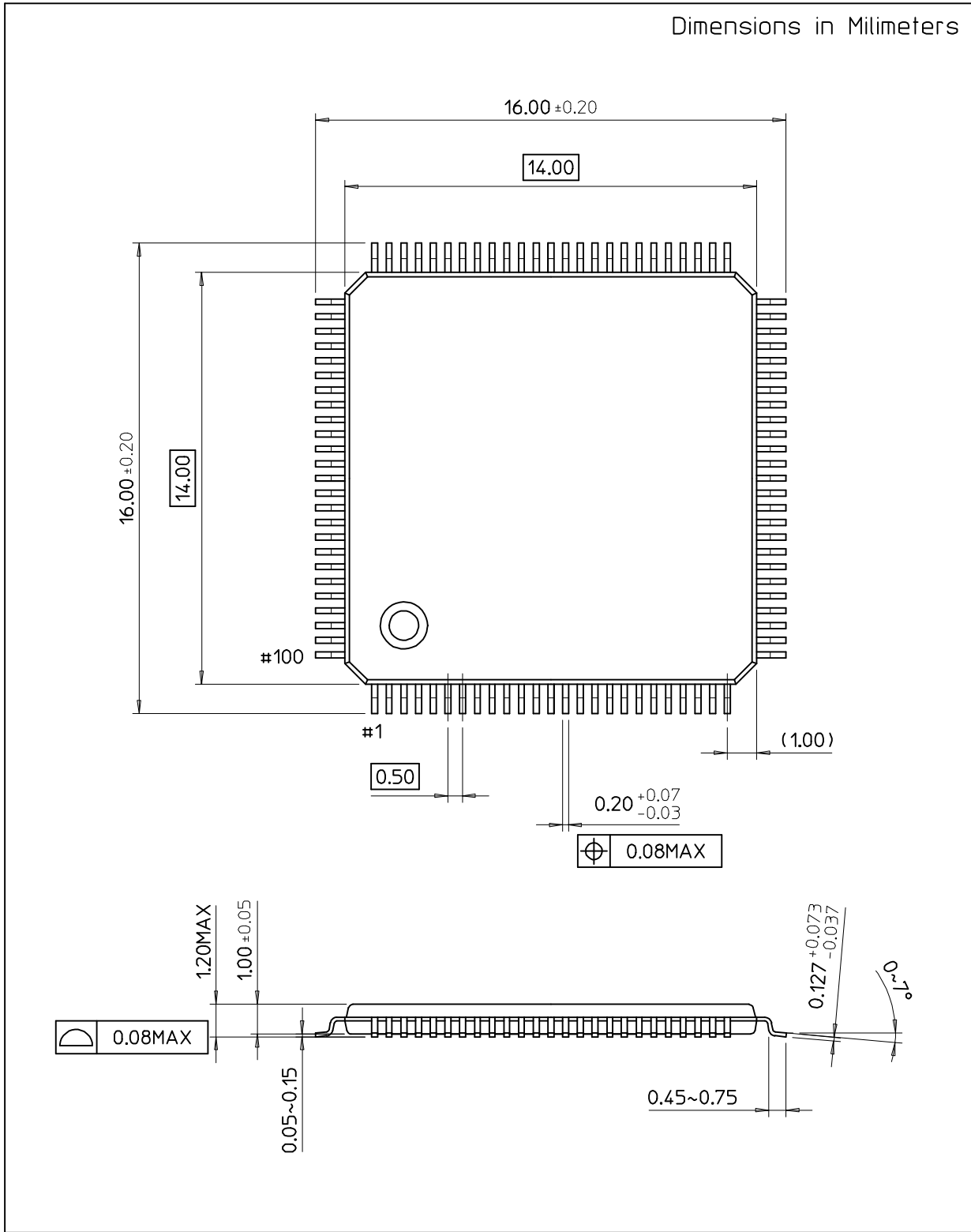
100-TQFP-1414-AN

Dimensions in Millimeters

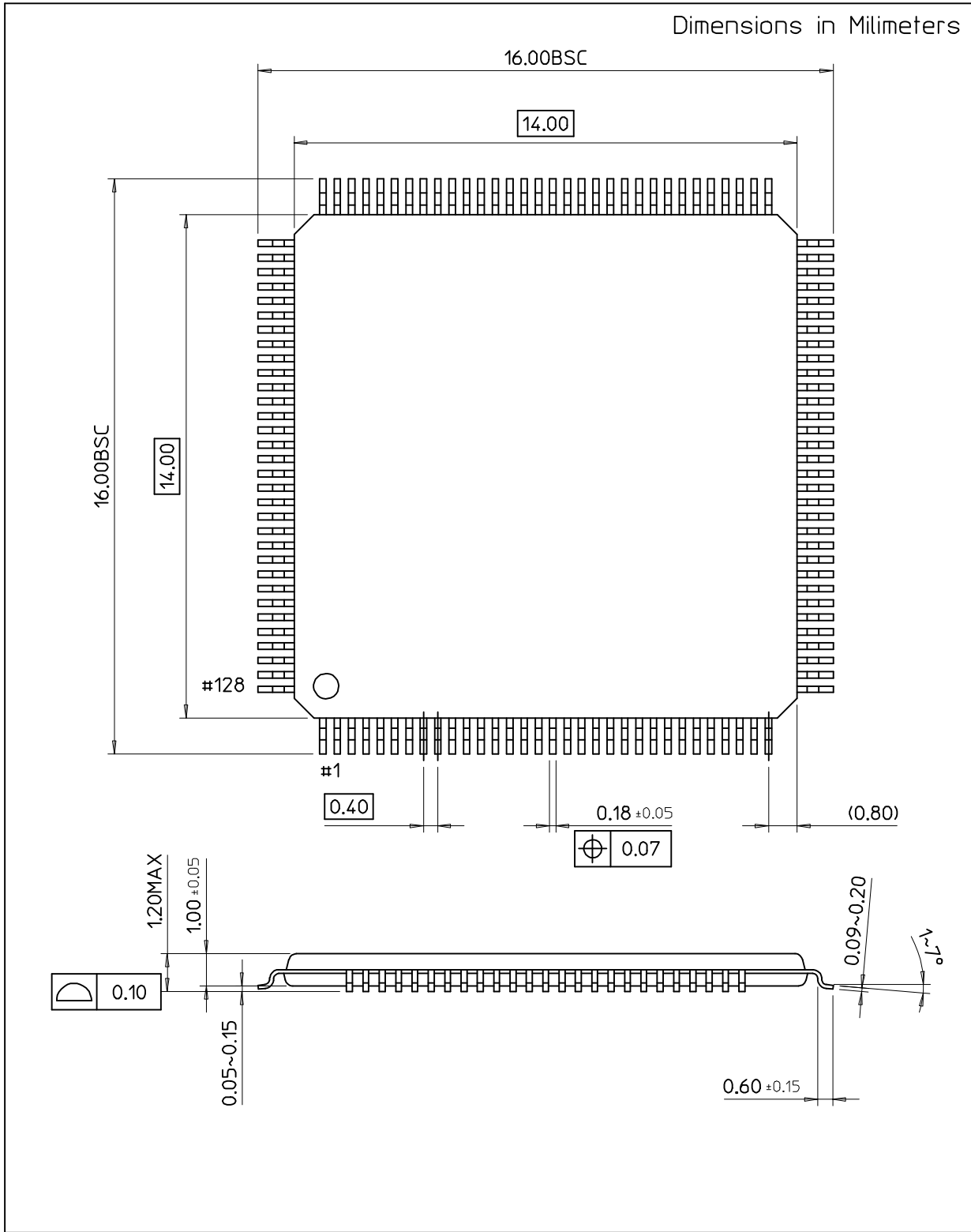


100-TQFP-1414

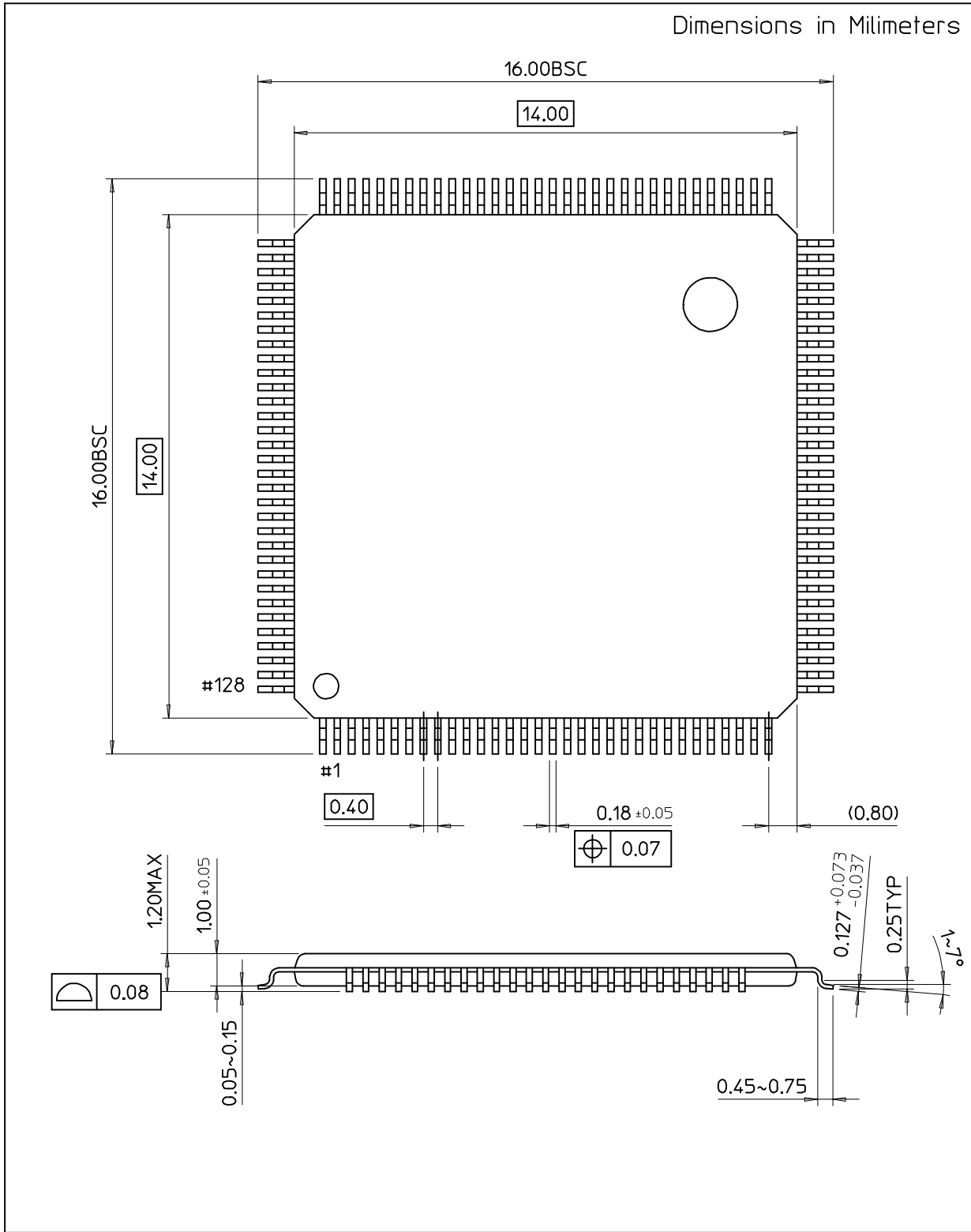
Dimensions in Millimeters



128-TQFP-1414-AN

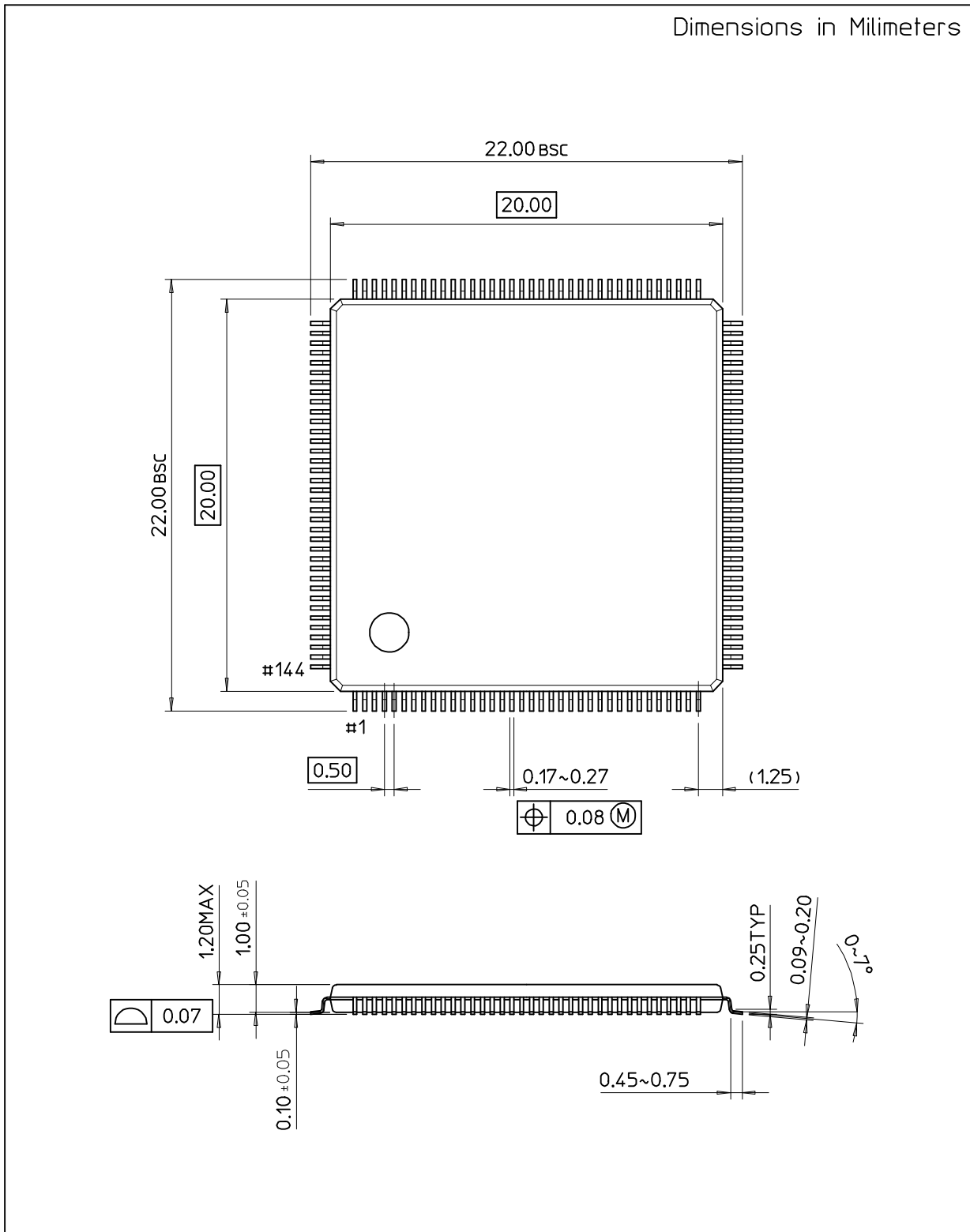


128-TQFP-1414



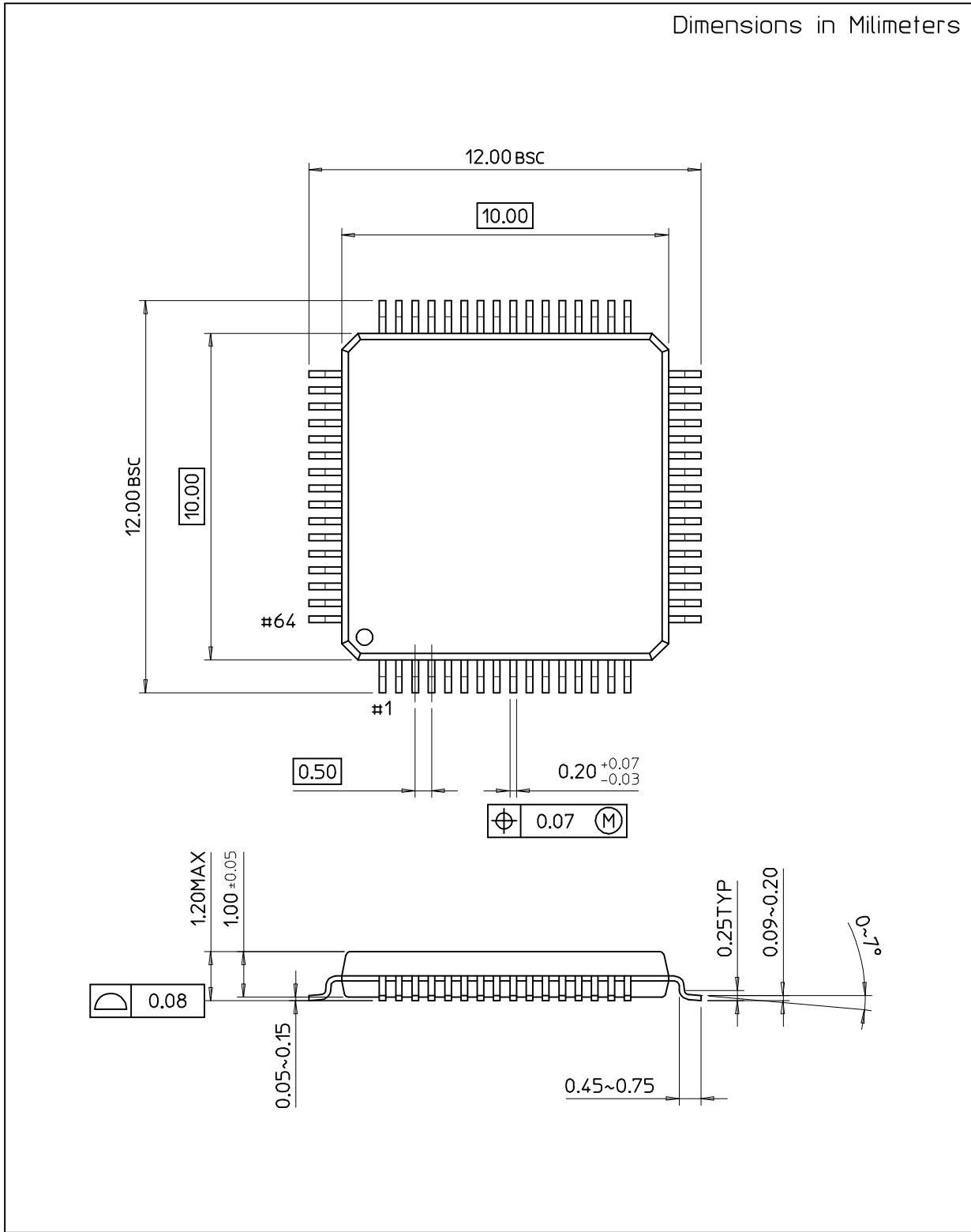
144-TQFP-2020-AN

Dimensions in Millimeters



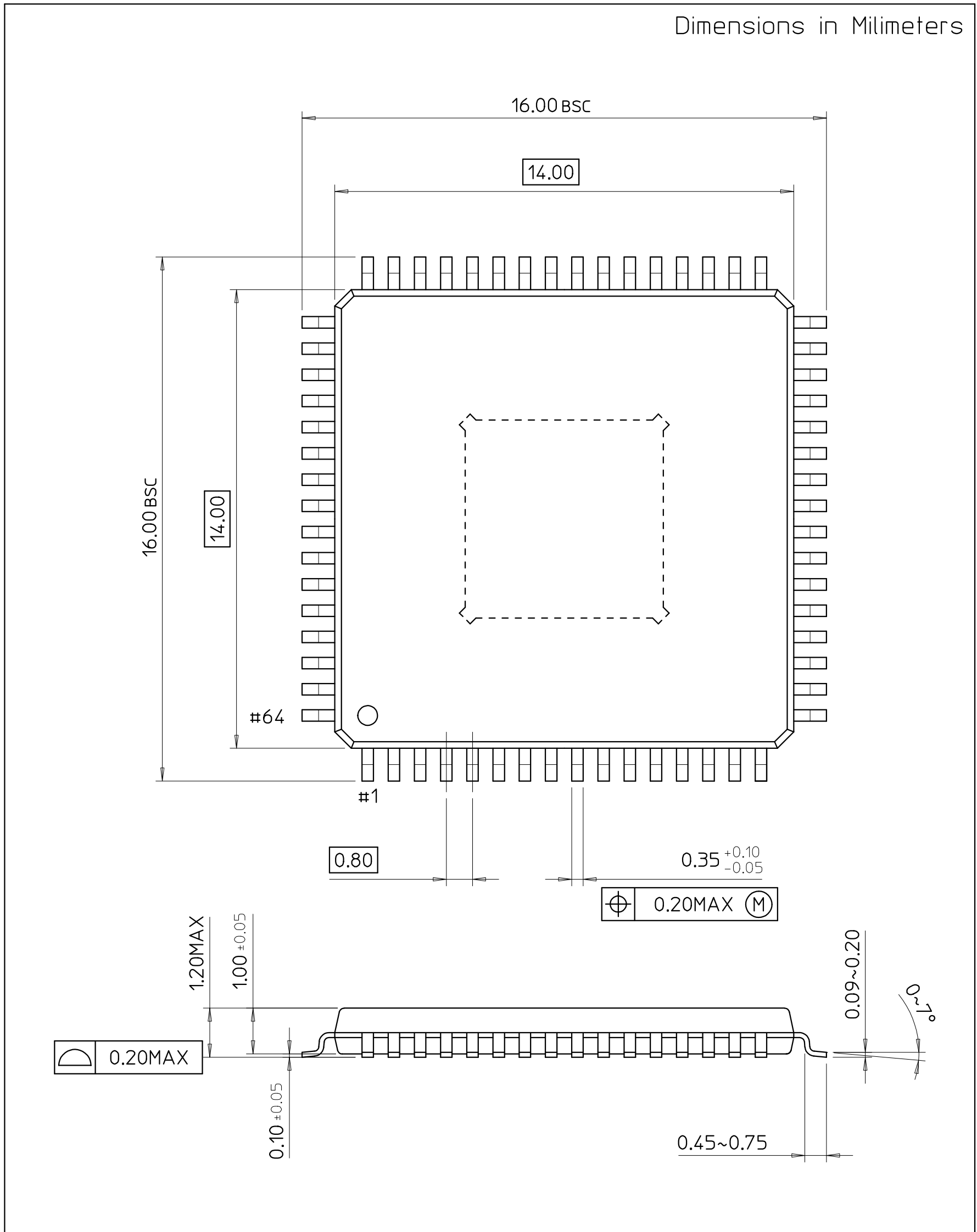
64-TQFP-1010-AN

Dimensions in Millimeters



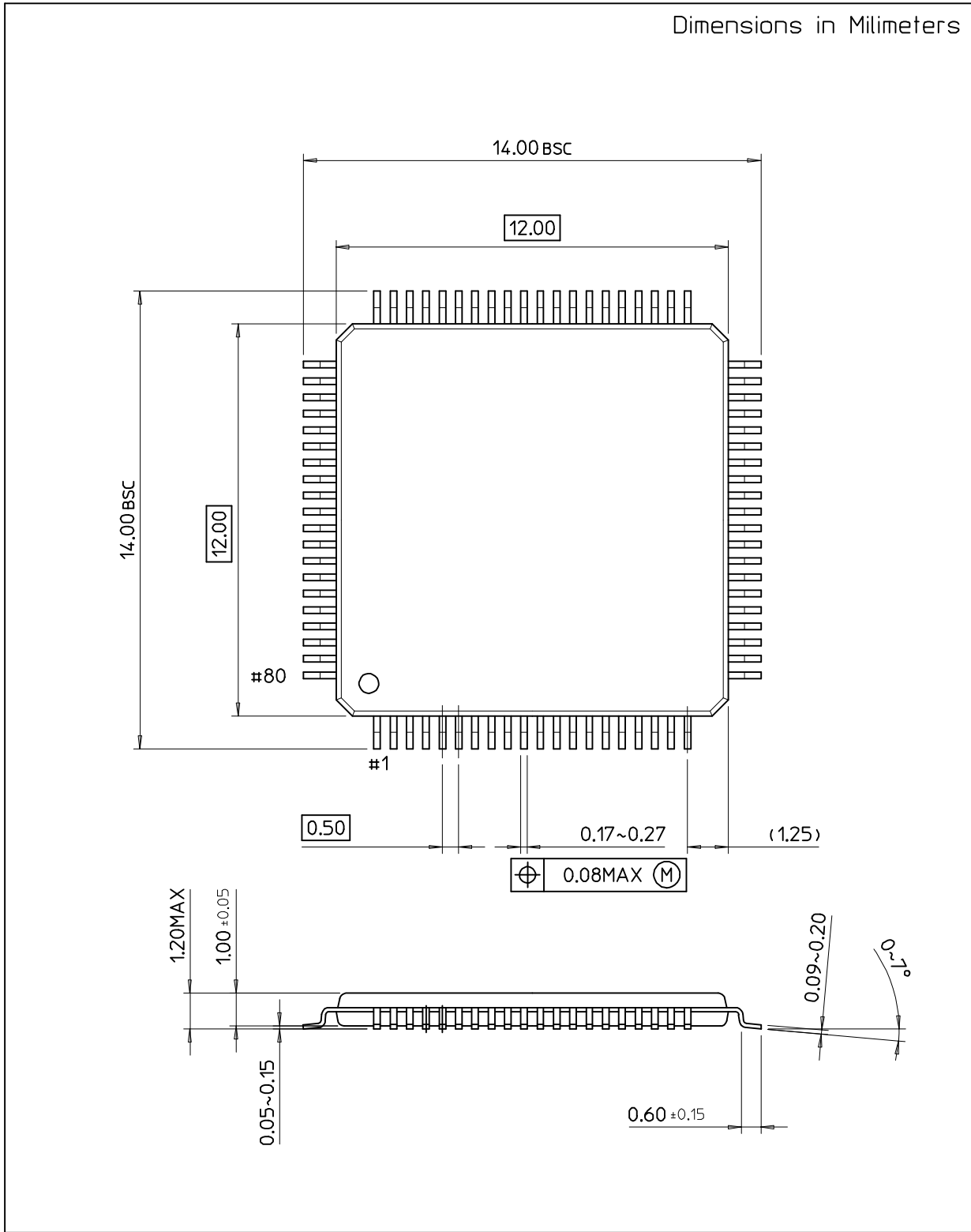
64-TQFP/ePAD-1414-AN

Dimensions in Millimeters



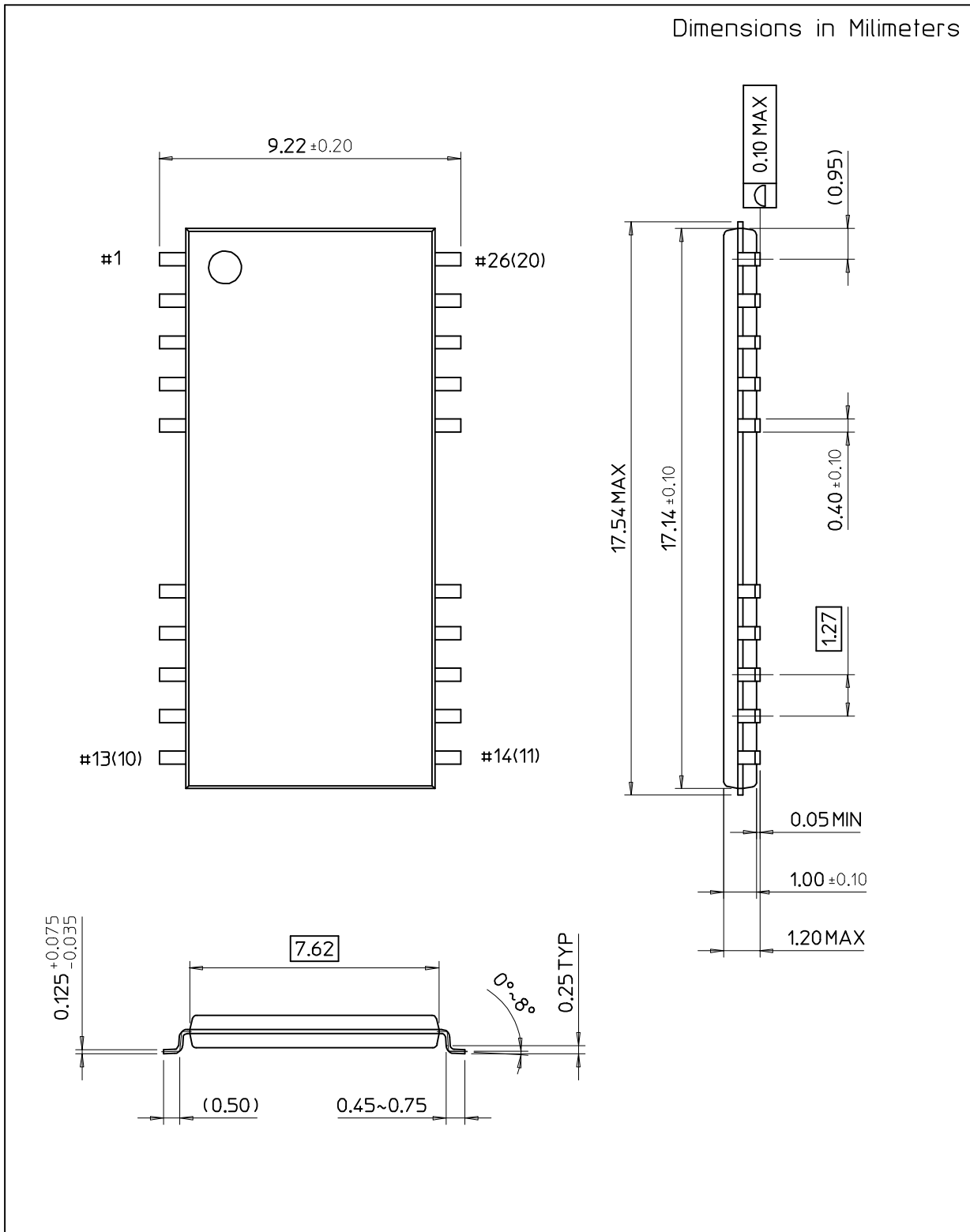
80-TQFP-1212-AN

Dimensions in Millimeters



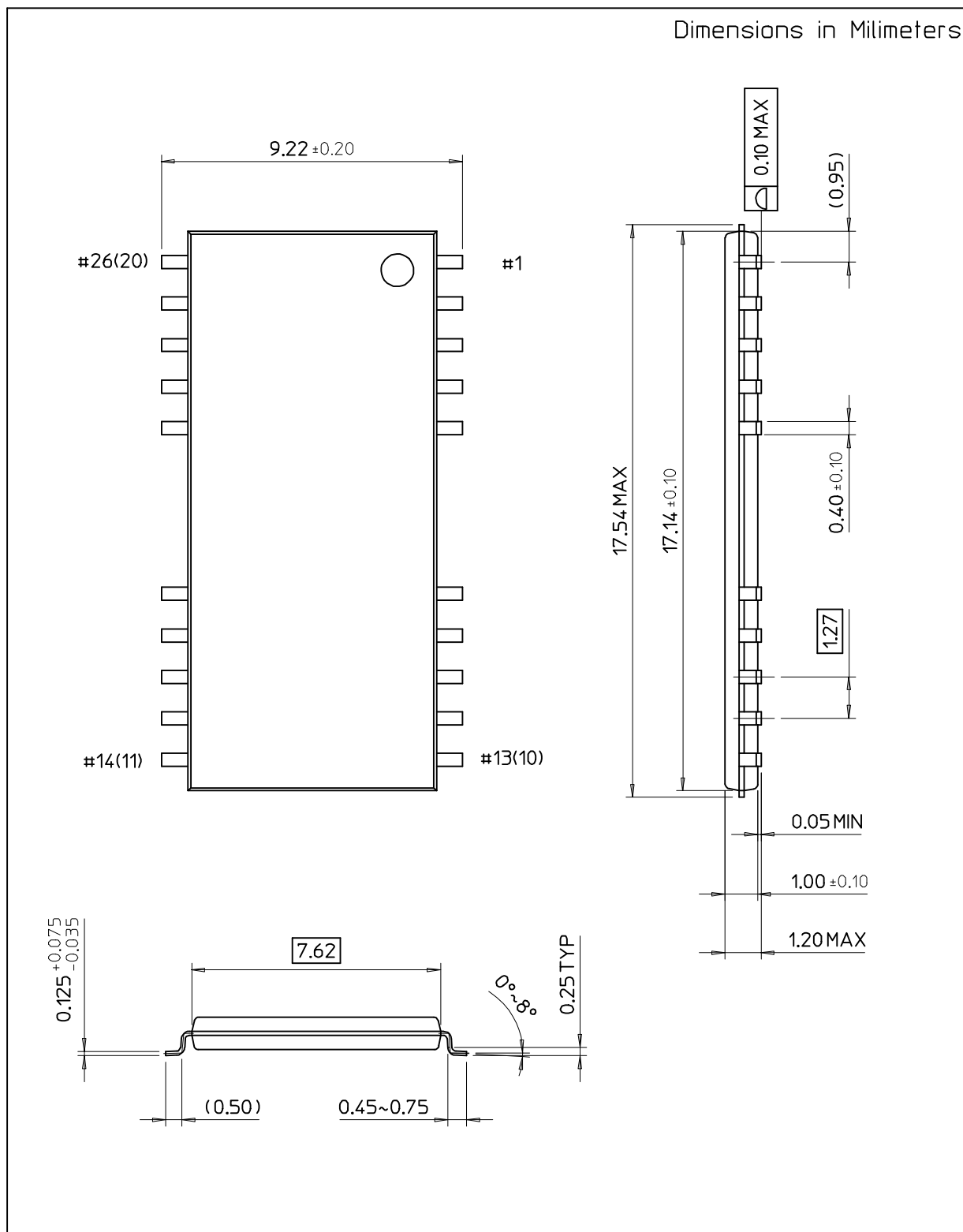
26(20)-TSOP2-300AF

Dimensions in Millimeters



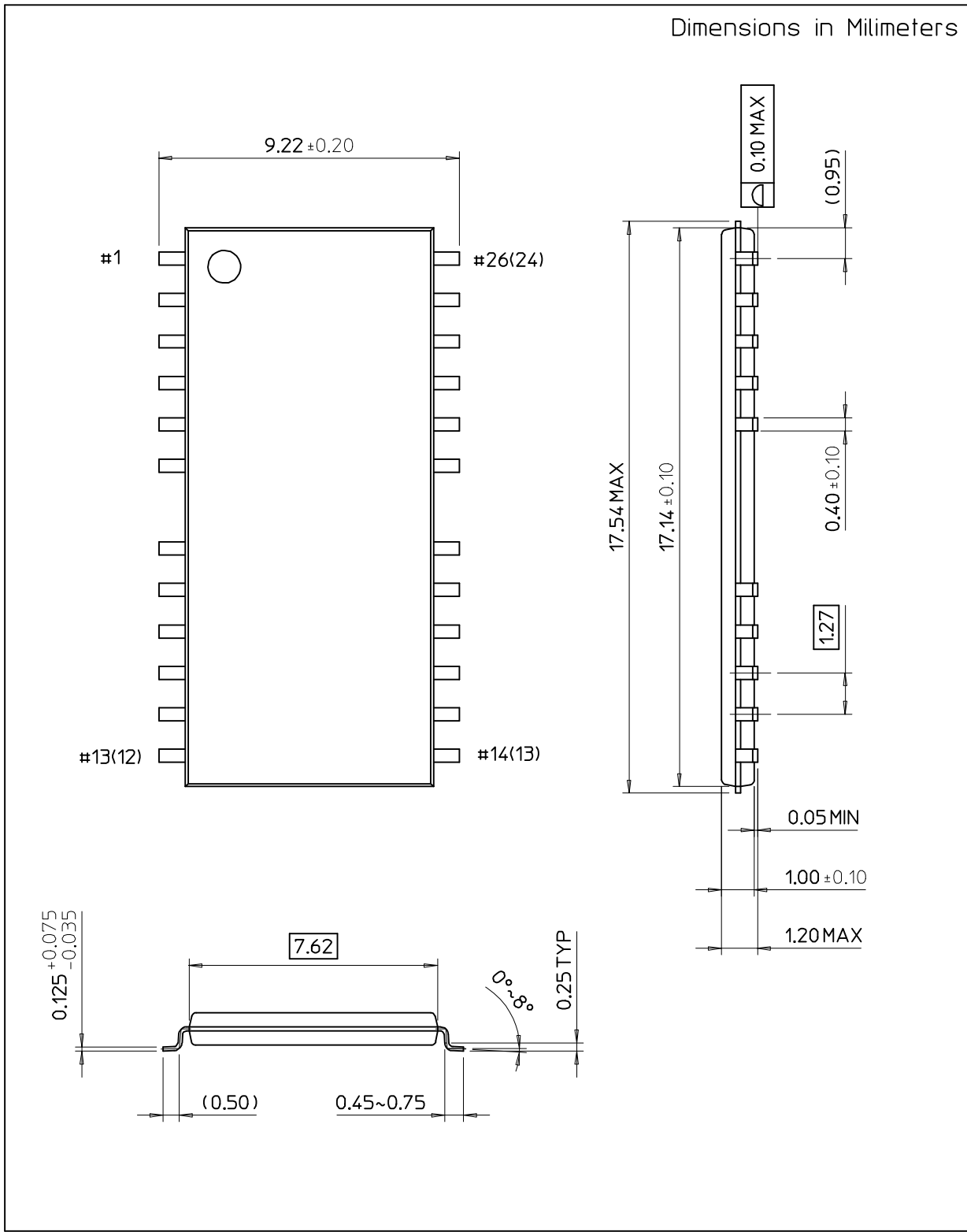
26(20)-TSOP2-300AR

Dimensions in Millimeters



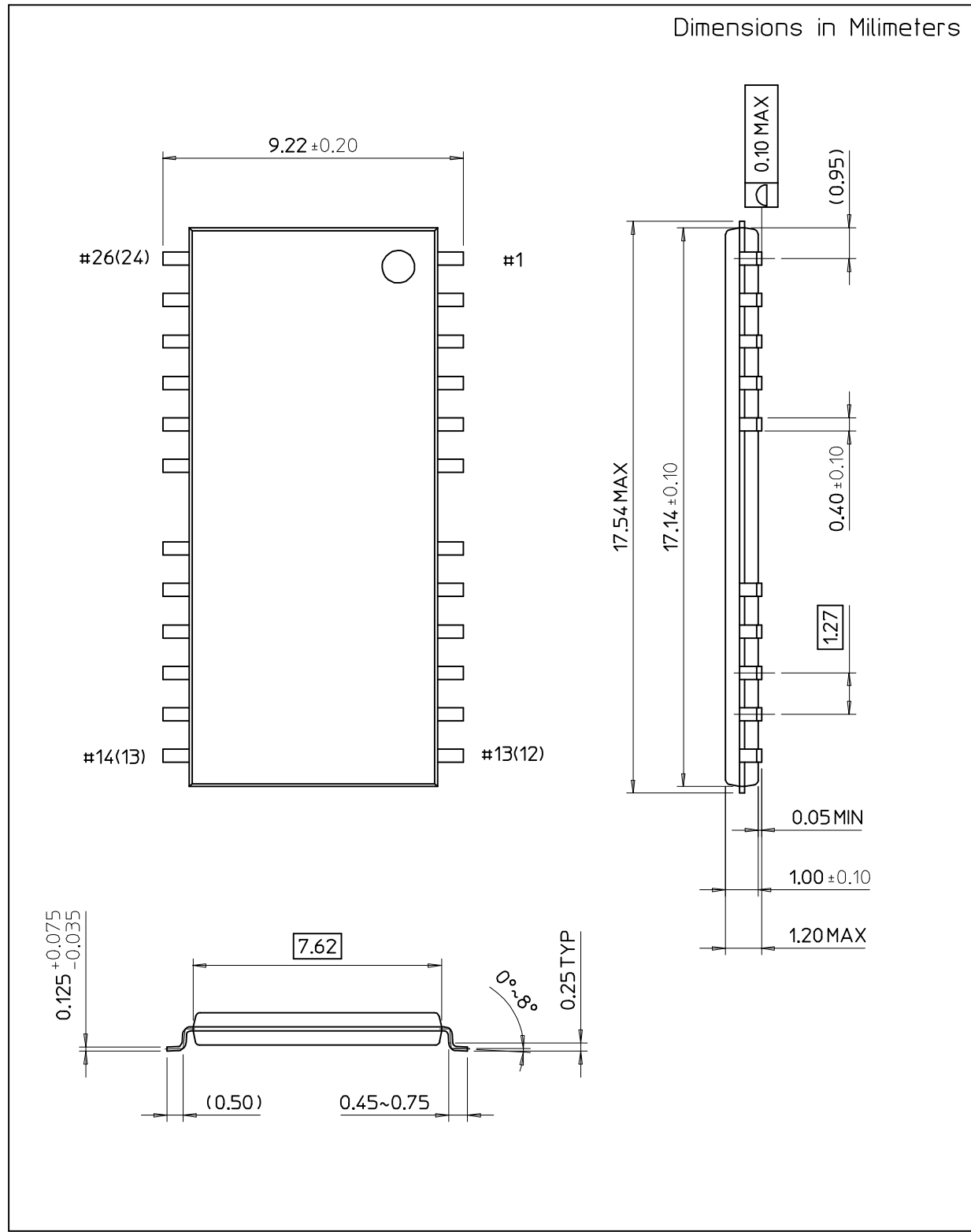
26(24)-TSOP2-300AF

Dimensions in Millimeters



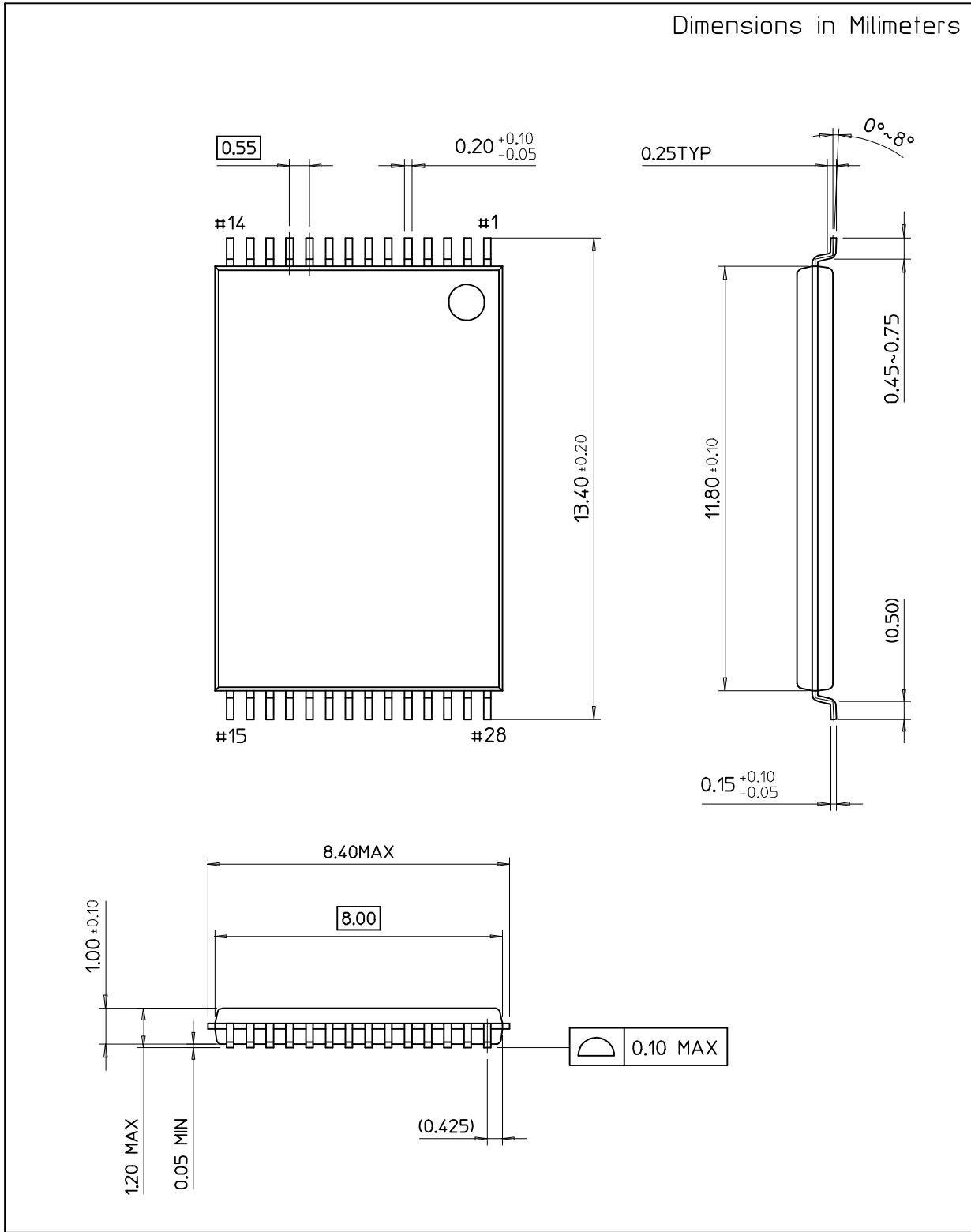
26(24)-TSOP2-300AR

Dimensions in Millimeters



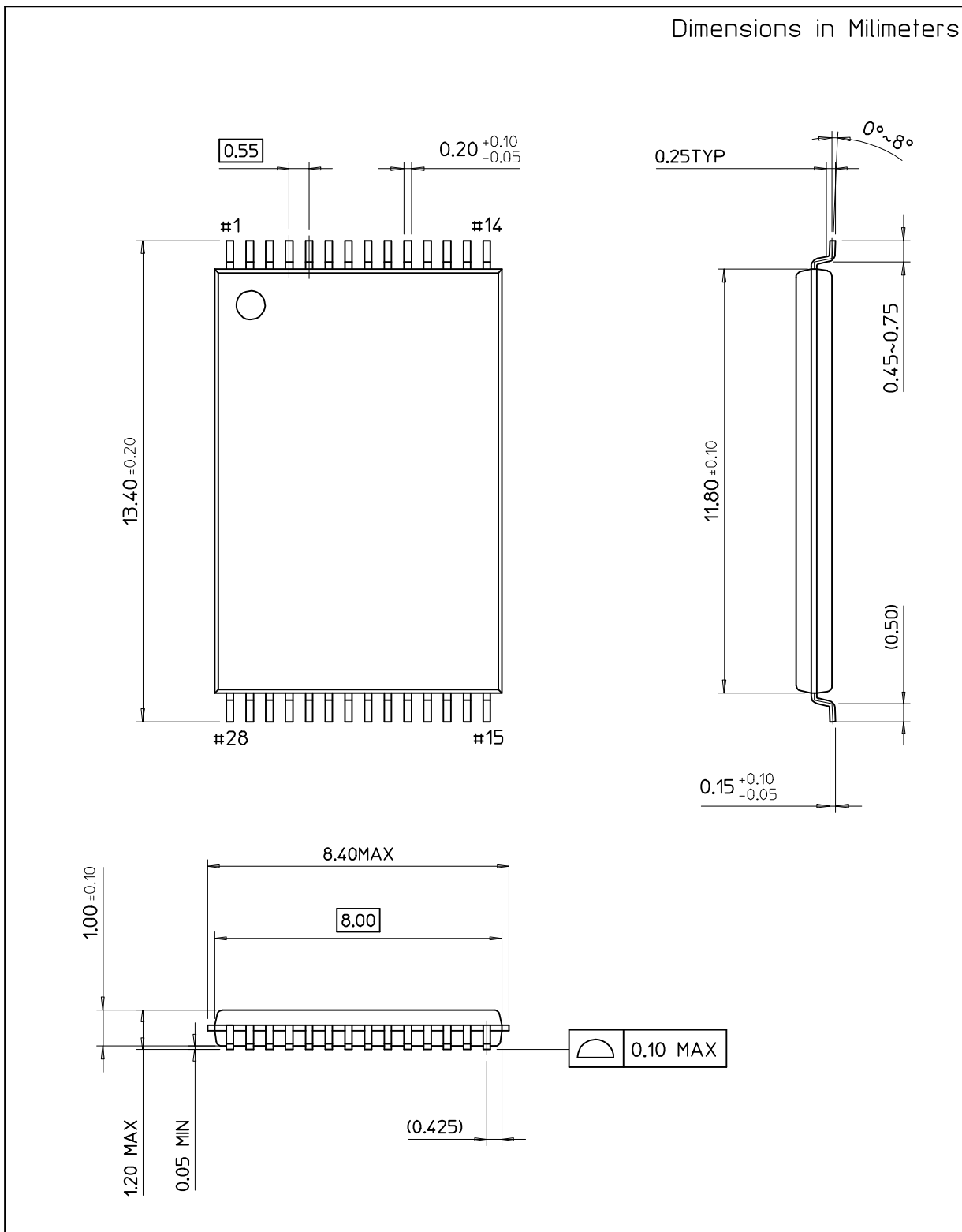
28-TSOP1-0813.4F

Dimensions in Millimeters



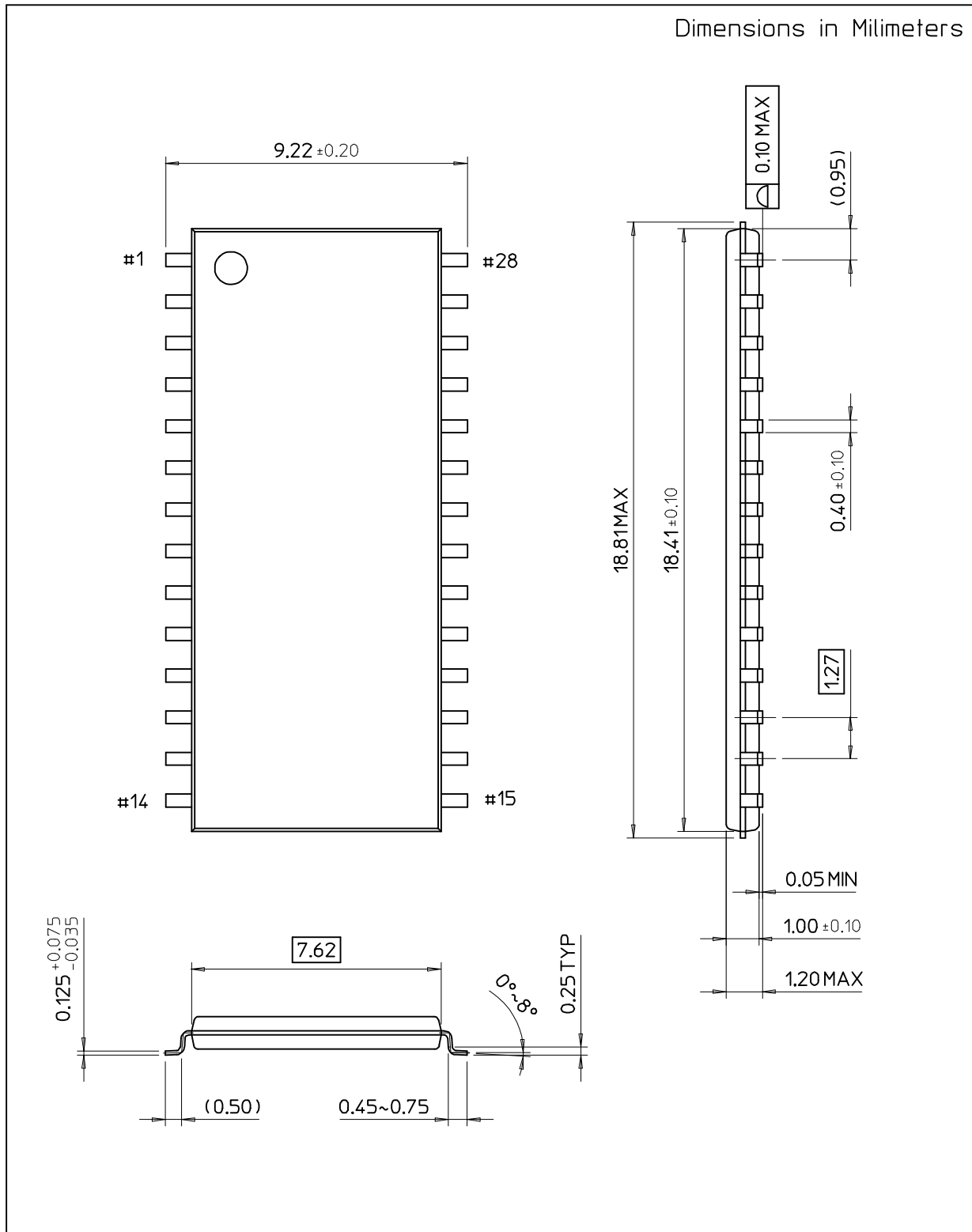
28-TSOP1-0813.4R

Dimensions in Millimeters



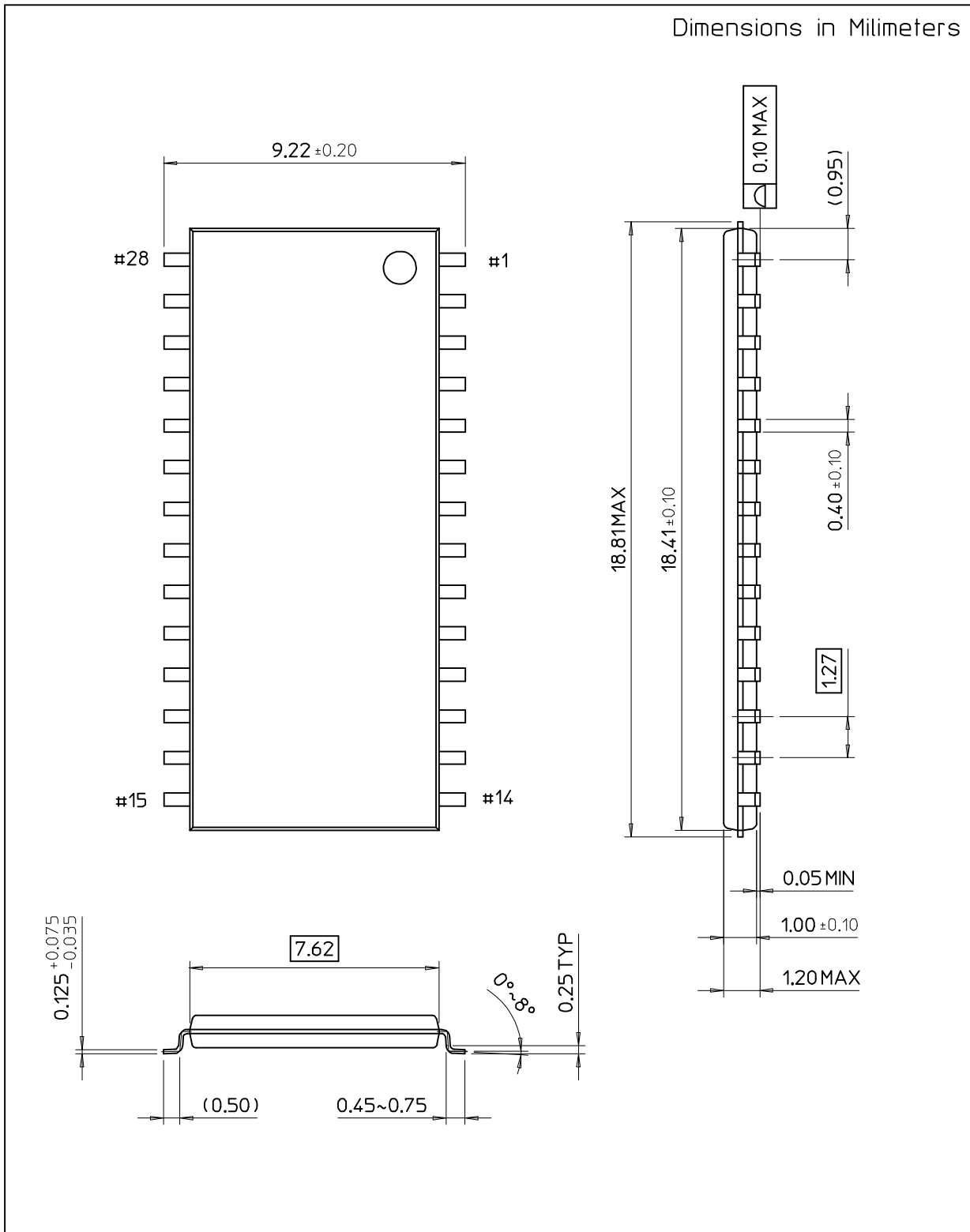
28-TSOP2-300F

Dimensions in Millimeters



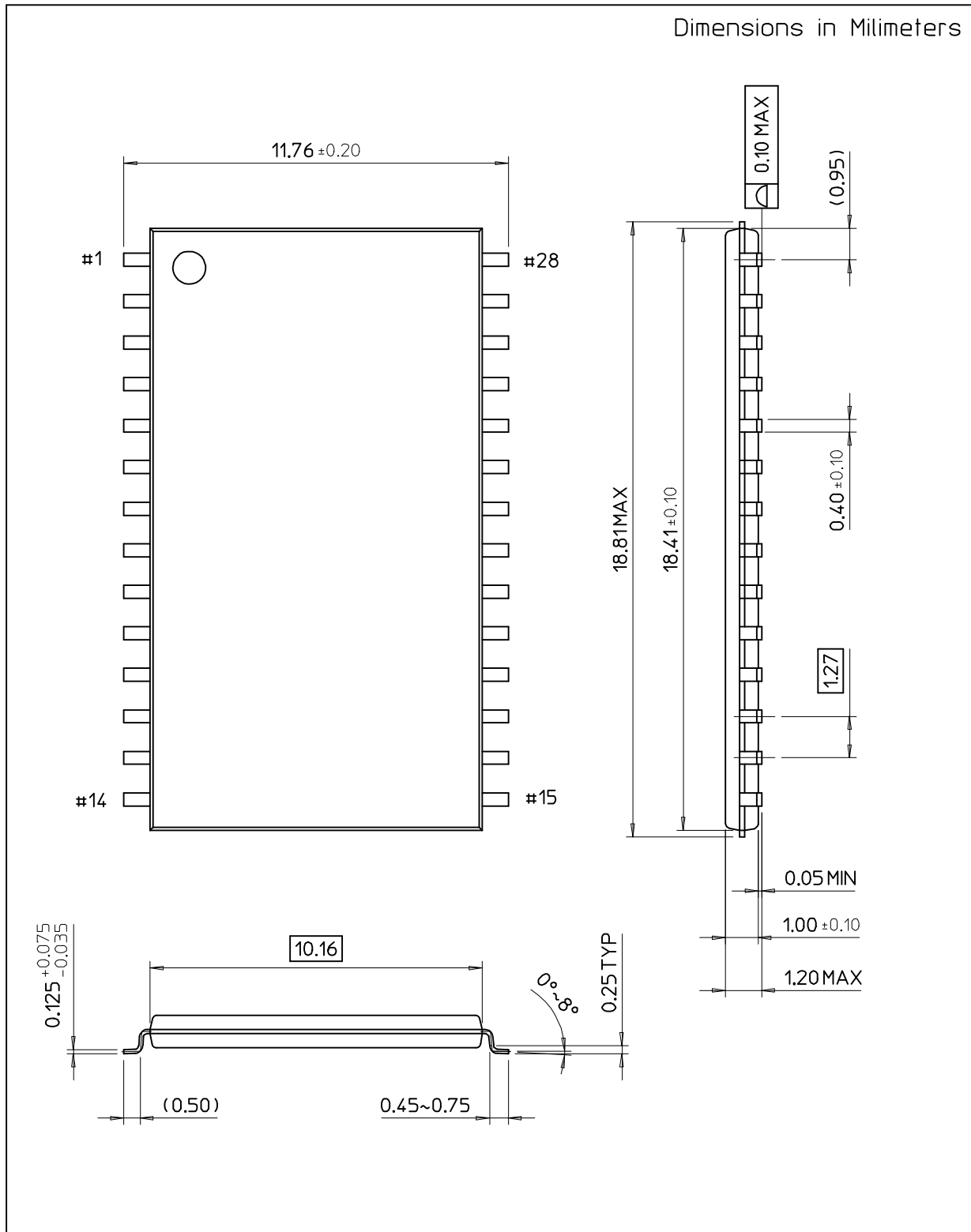
28-TSOP2-300R

Dimensions in Millimeters



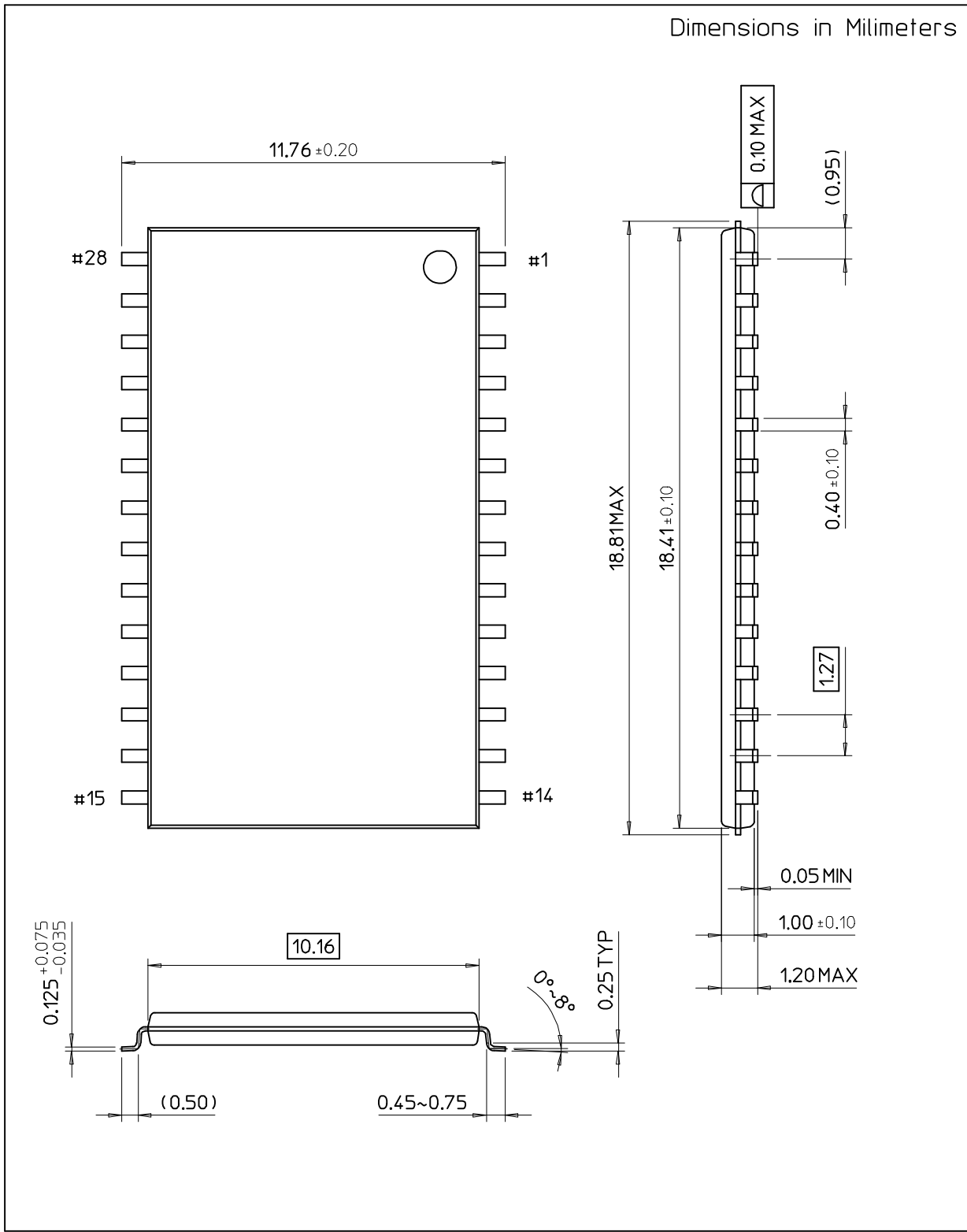
28-TSOP2-400AF

Dimensions in Millimeters



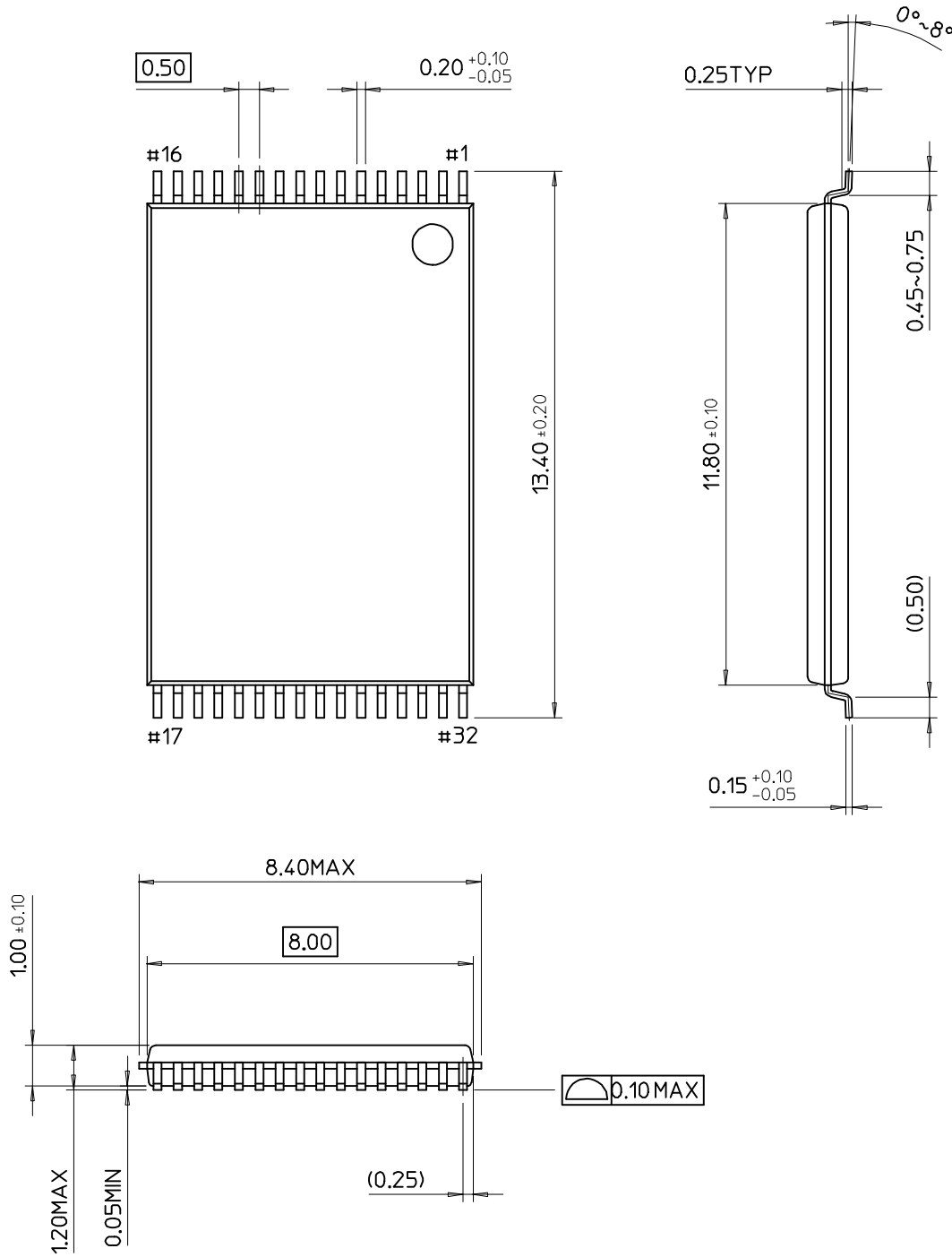
28-TSOP2-400AR

Dimensions in Millimeters

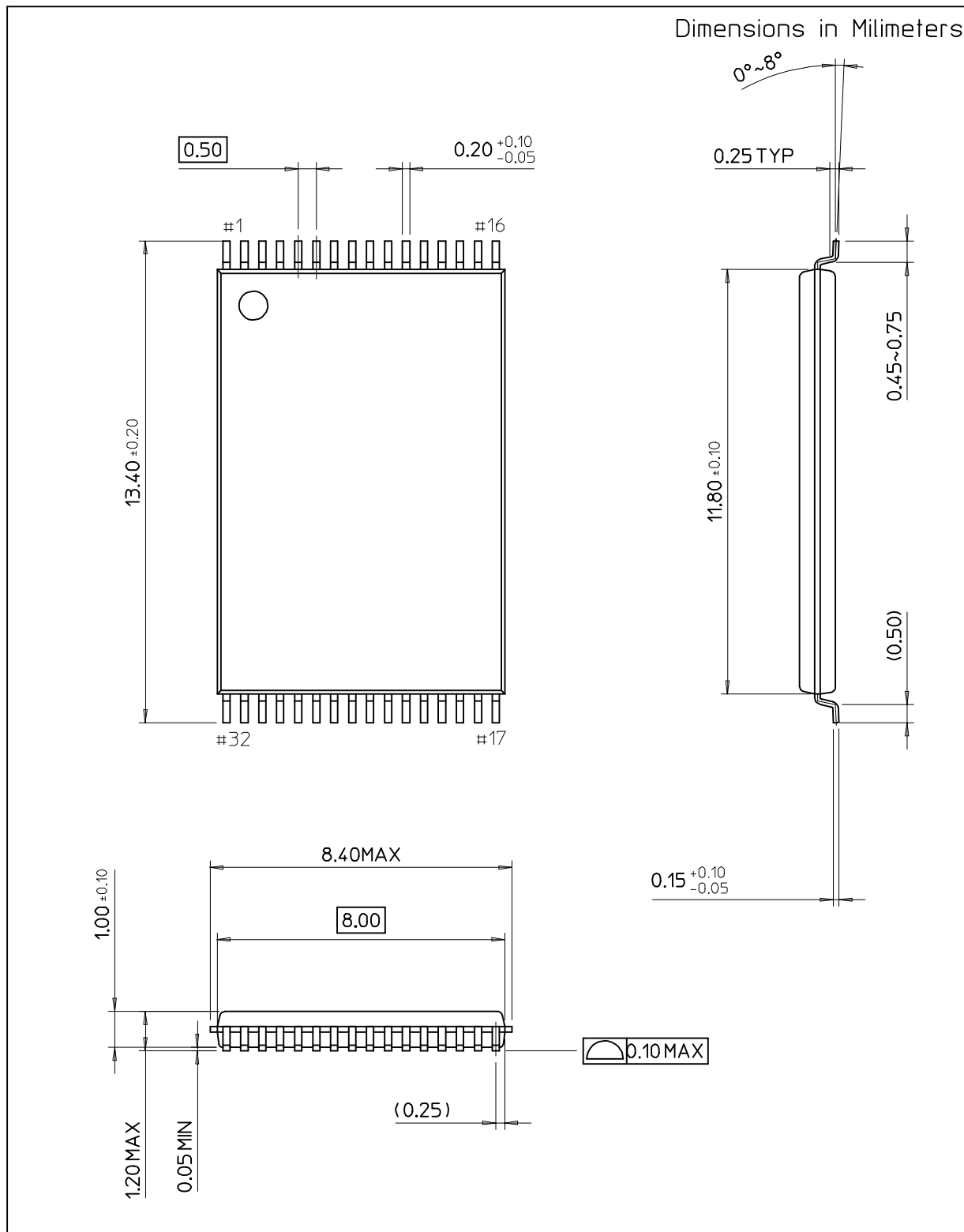


32-TSOP1-0813.4F

Dimensions in Millimeters

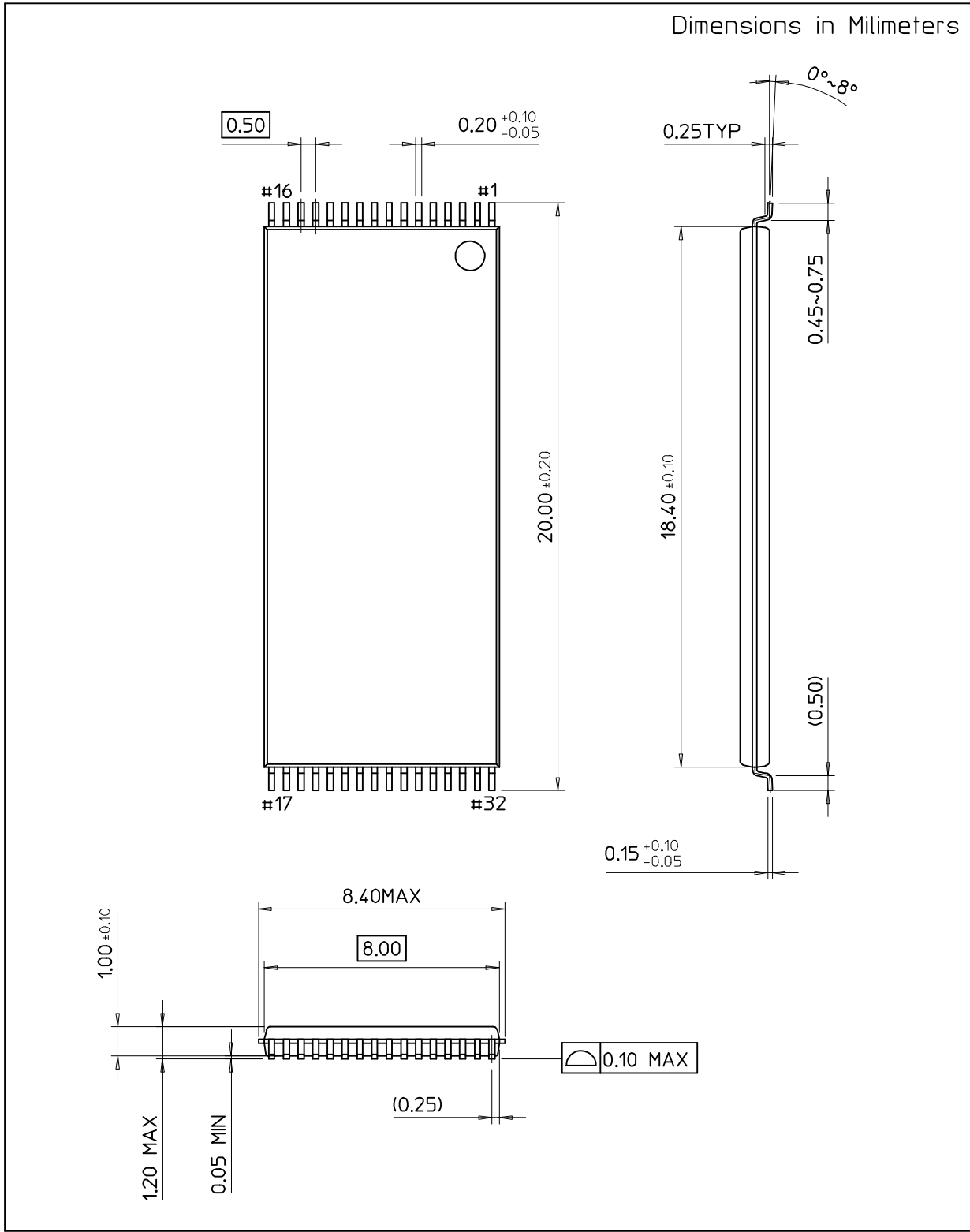


32-TSOP1-0813.4R

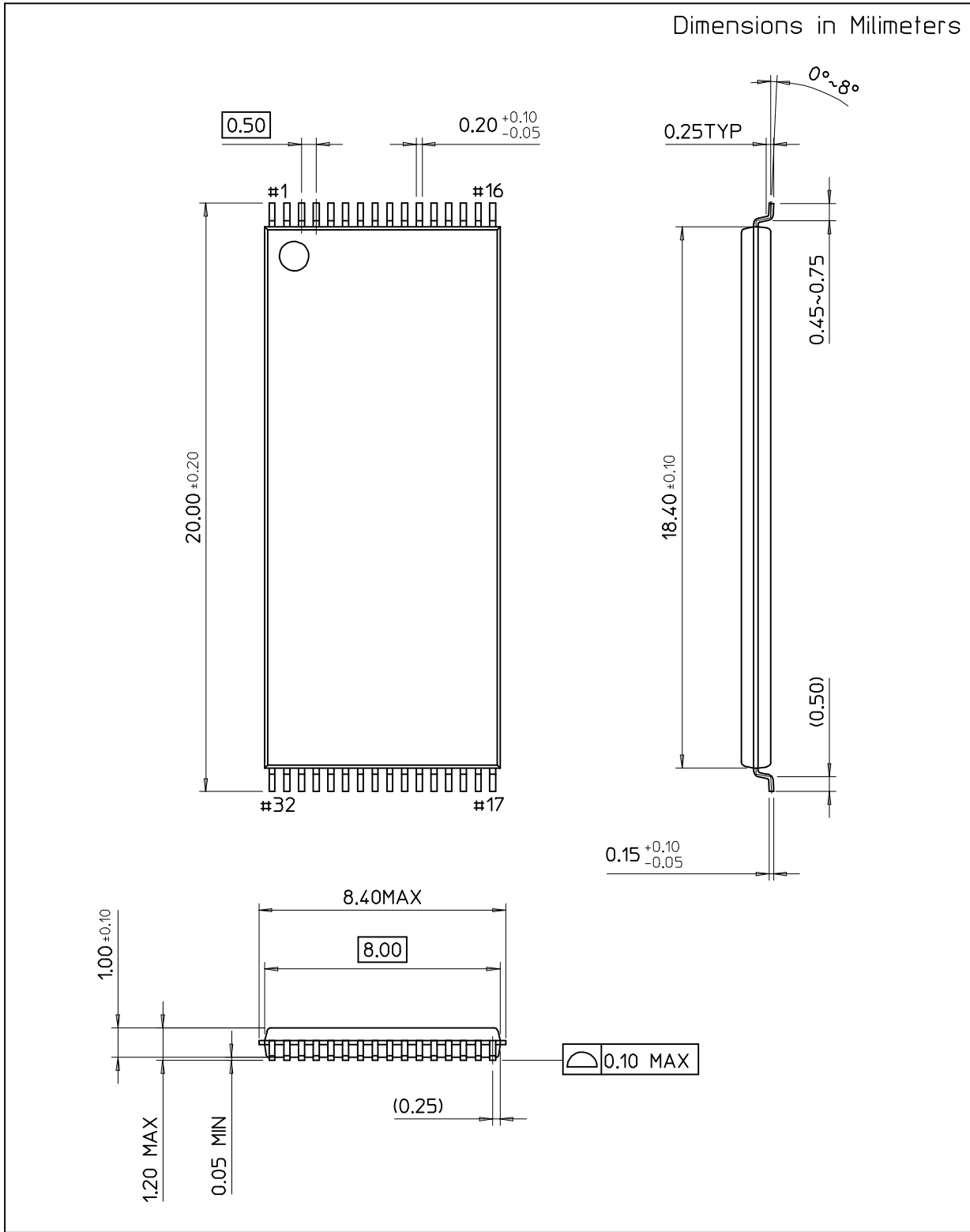


32-TSOP1-0820F

Dimensions in Millimeters

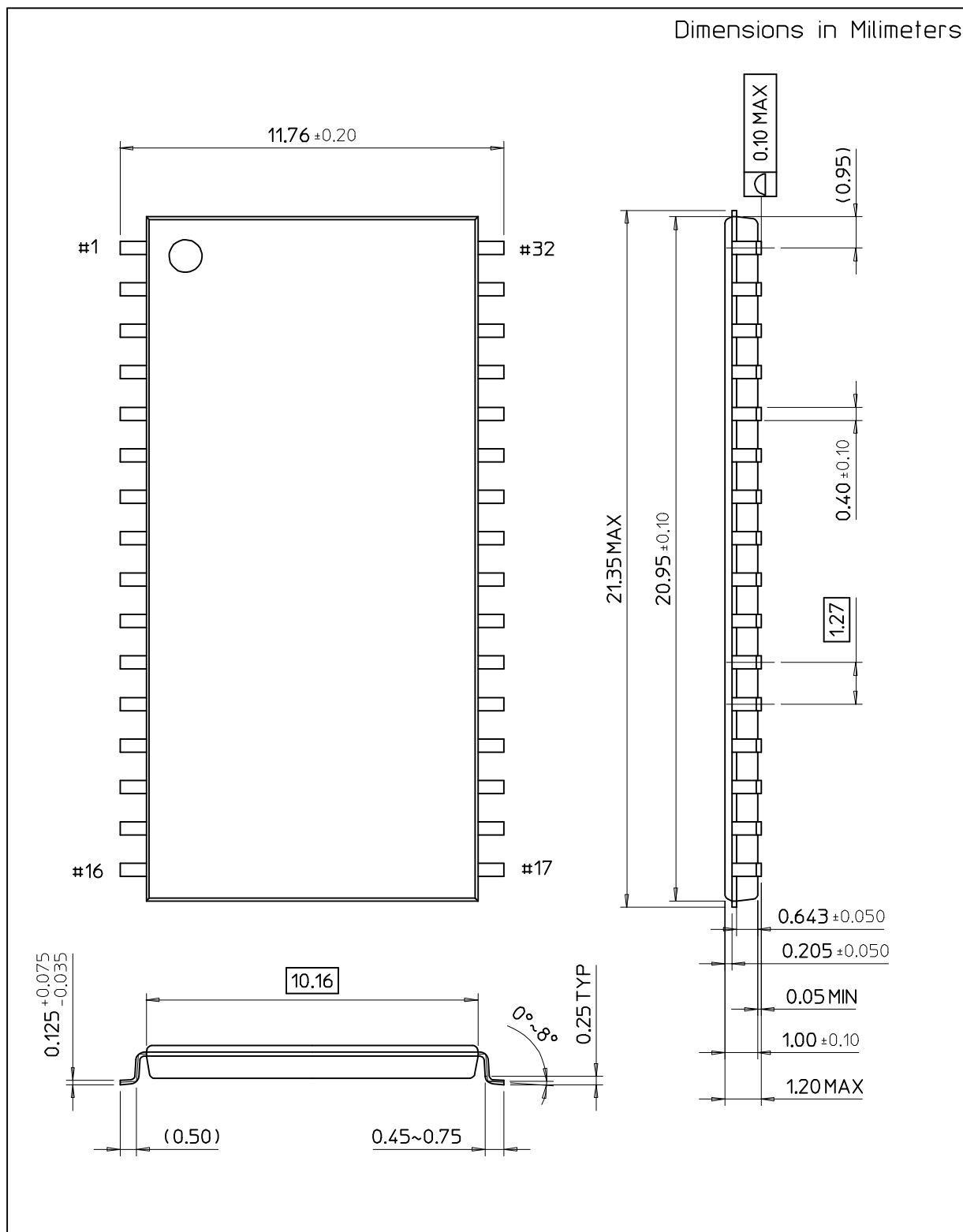


32-TSOP1-0820R



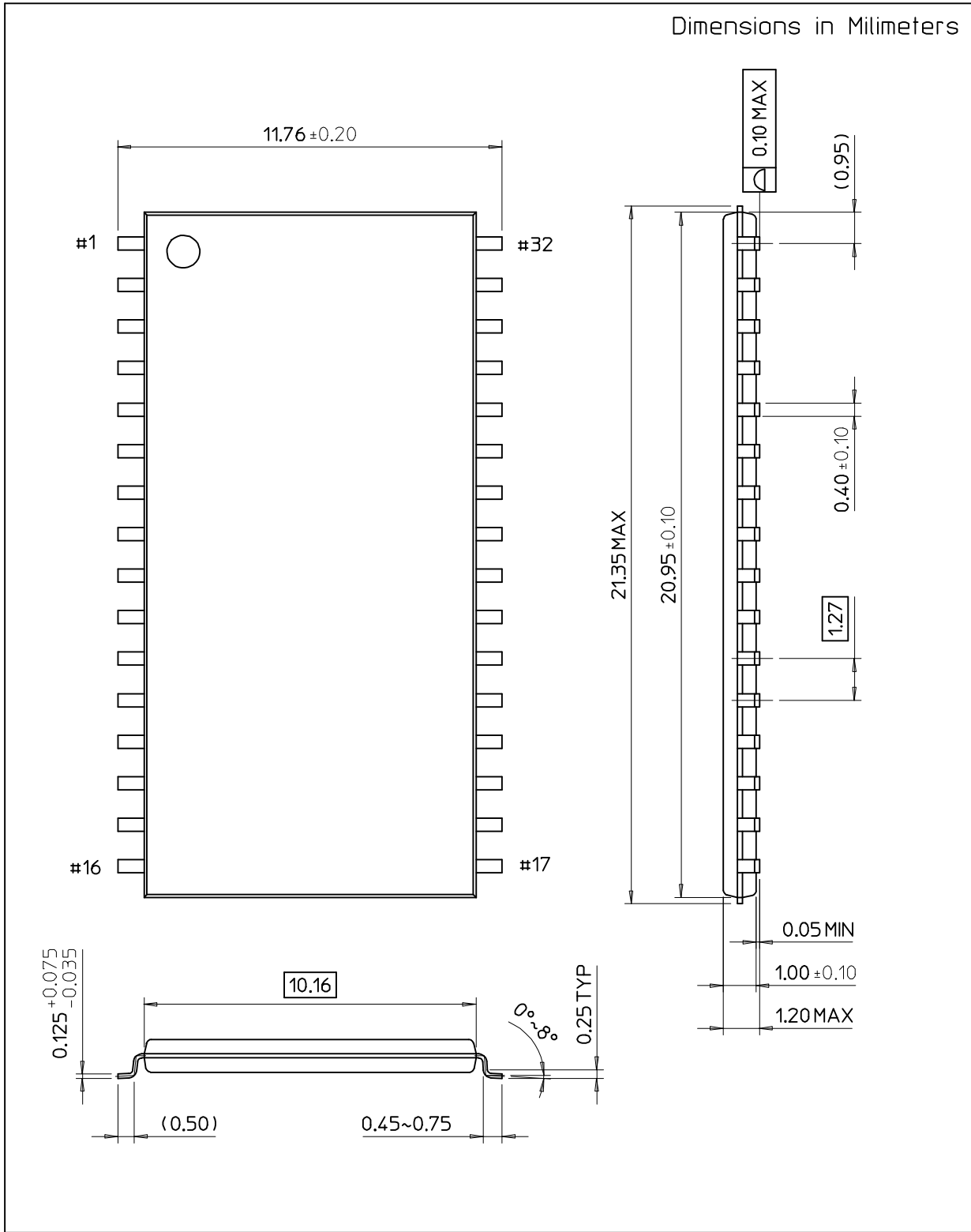
32-TSOP2-400BF

Dimensions in Millimeters



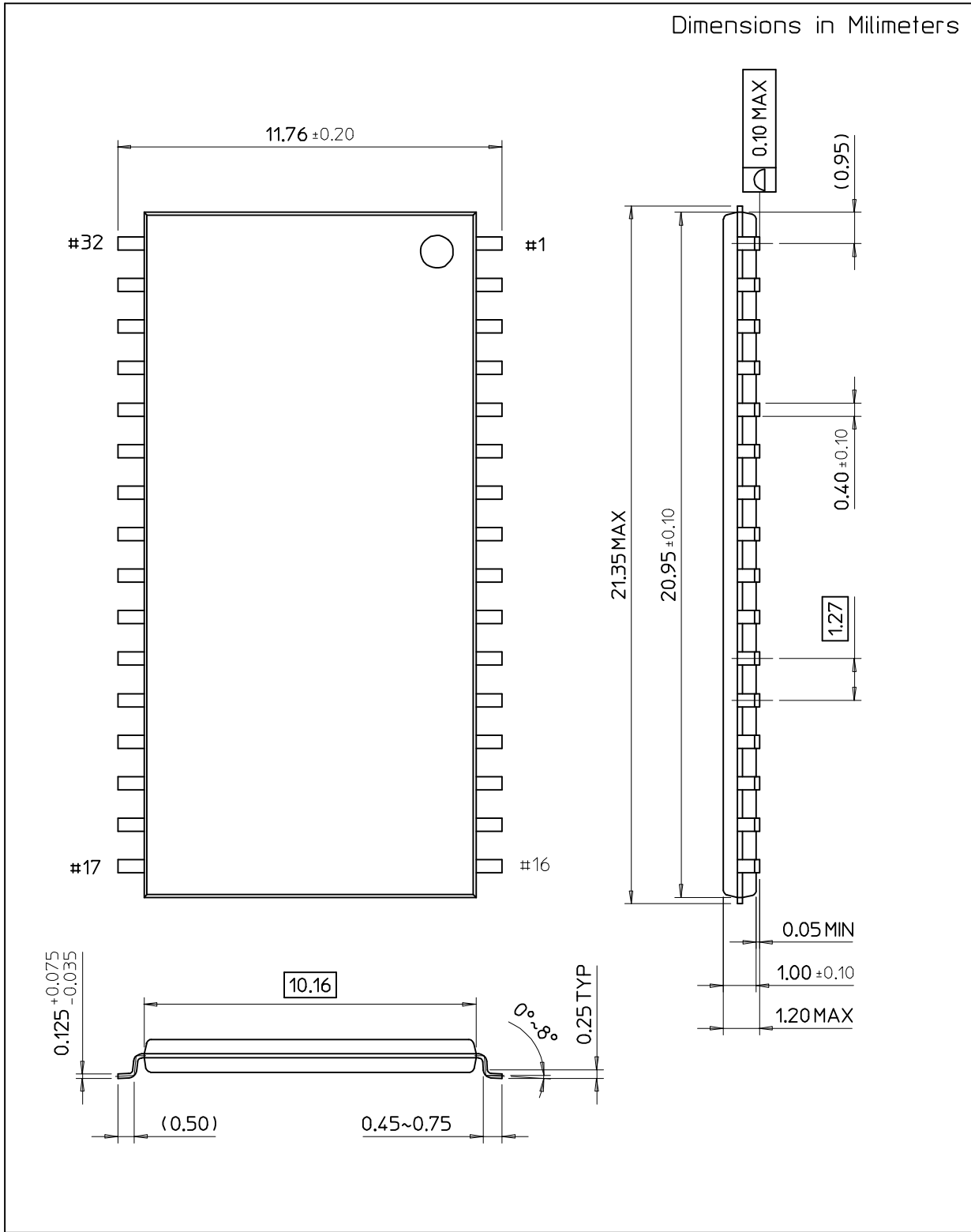
32-TSOP2-400CF

Dimensions in Millimeters



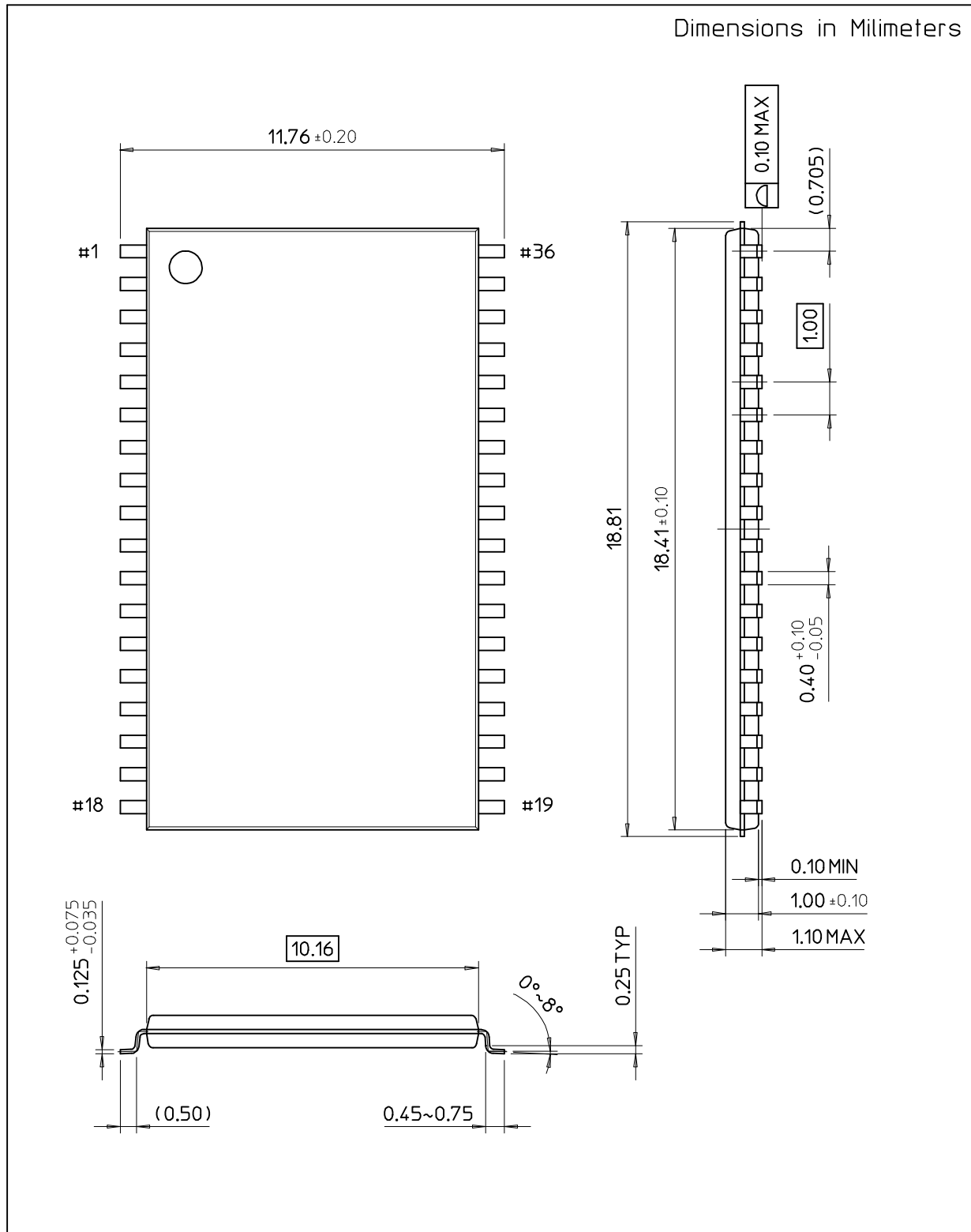
32-TSOP2-400CR

Dimensions in Millimeters



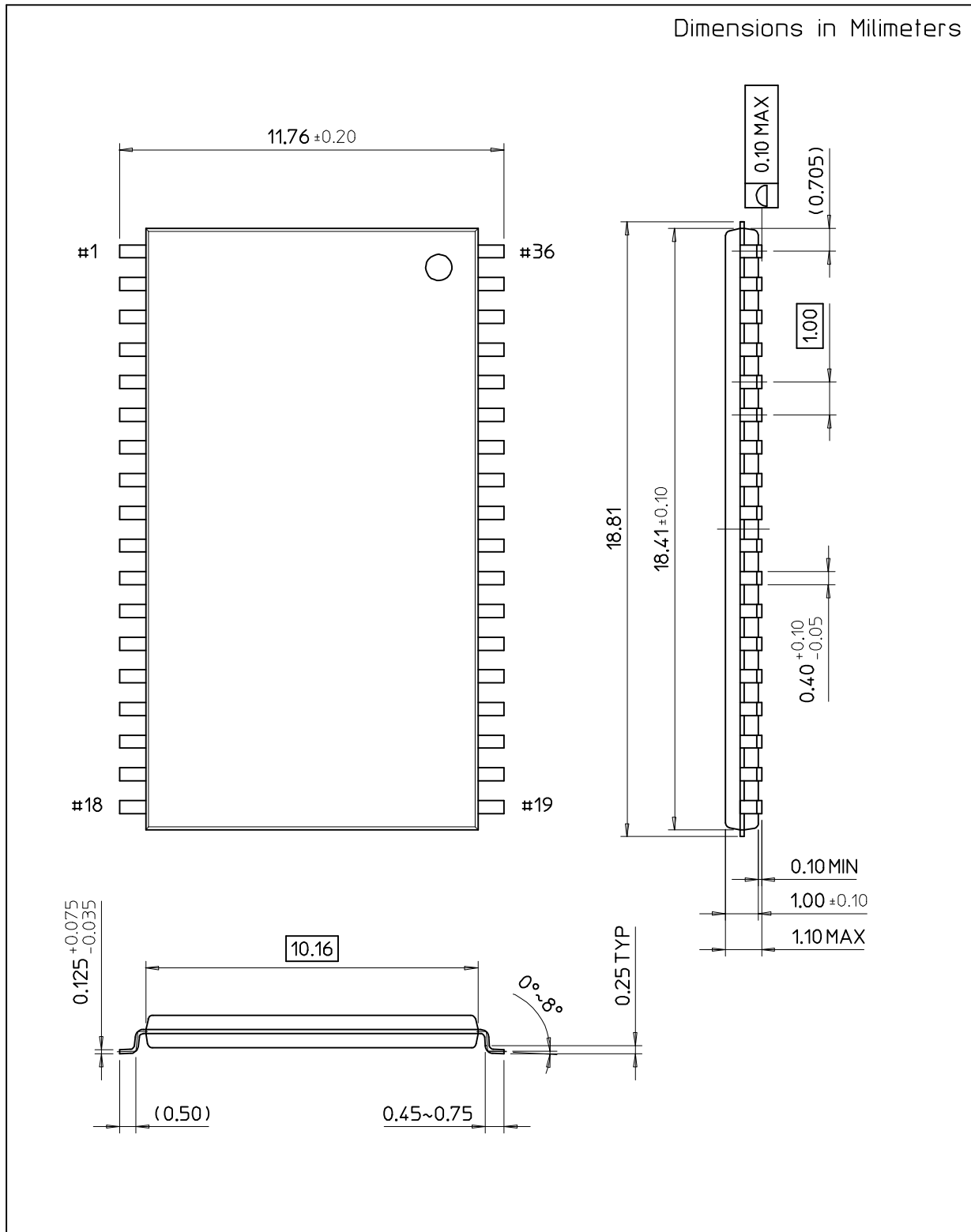
36-TSOP2-400F

Dimensions in Millimeters



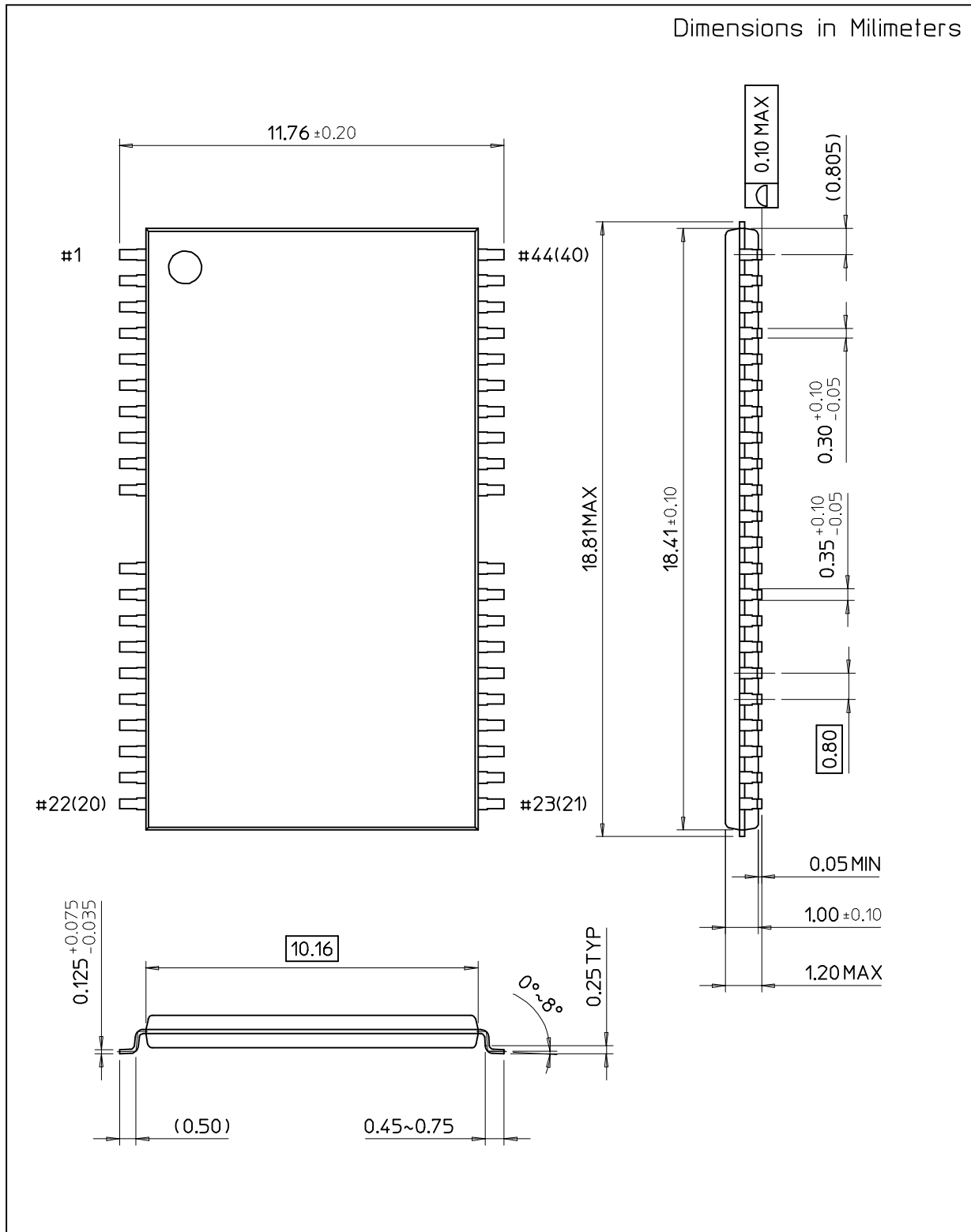
36-TSOP2-400R

Dimensions in Millimeters



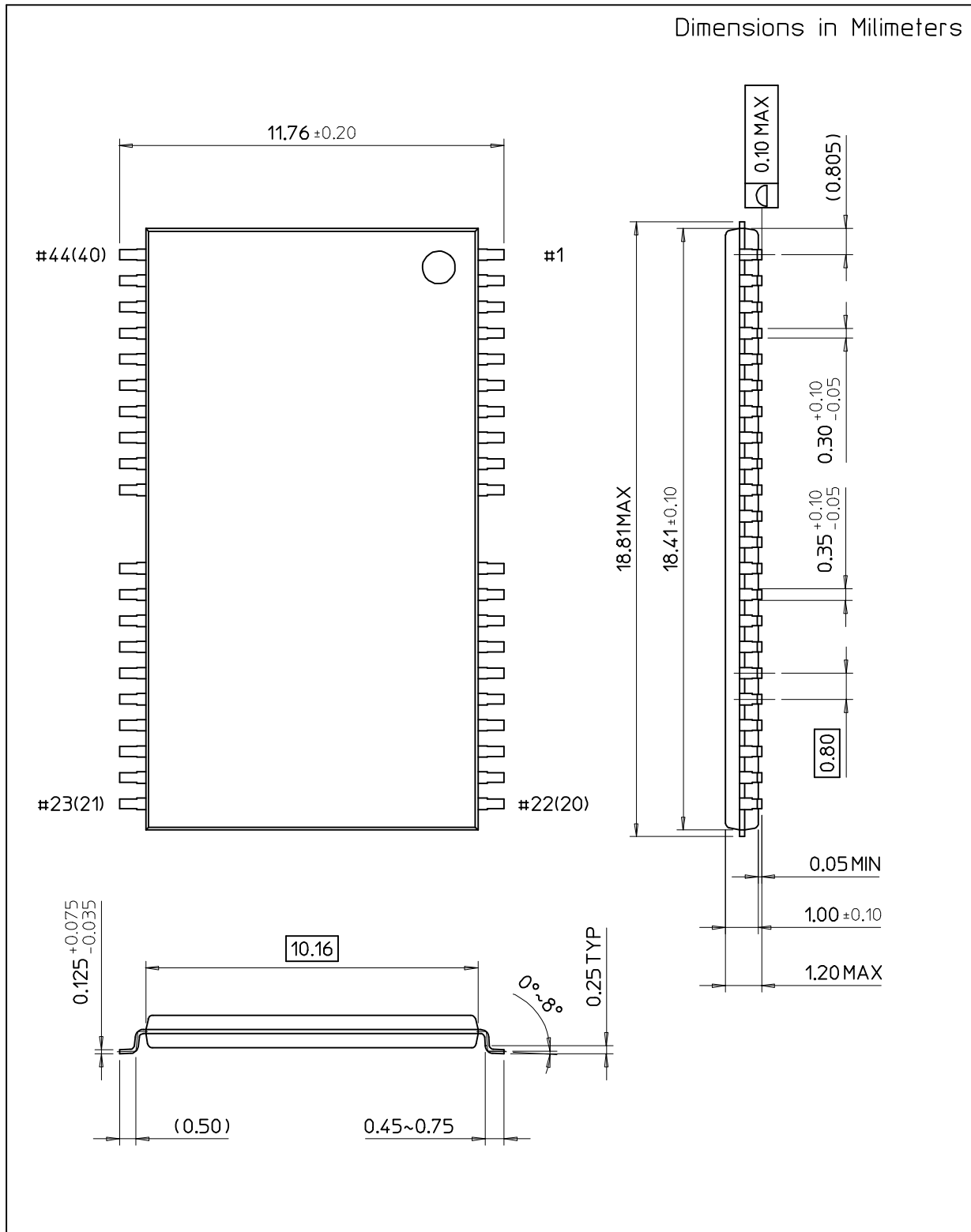
44(40)-TSOP2-400BF

Dimensions in Millimeters



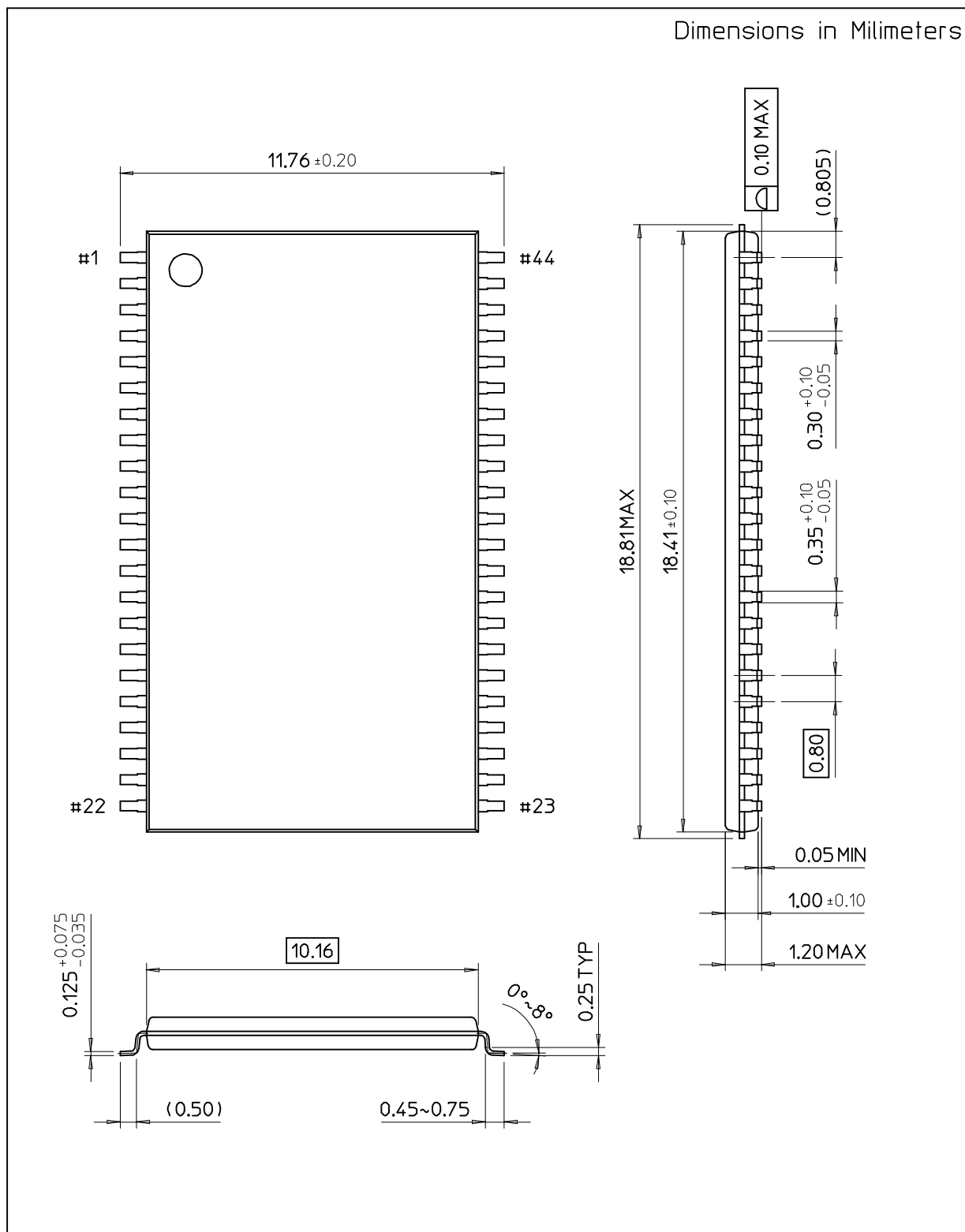
44(40)-TSOP2-400BR

Dimensions in Millimeters



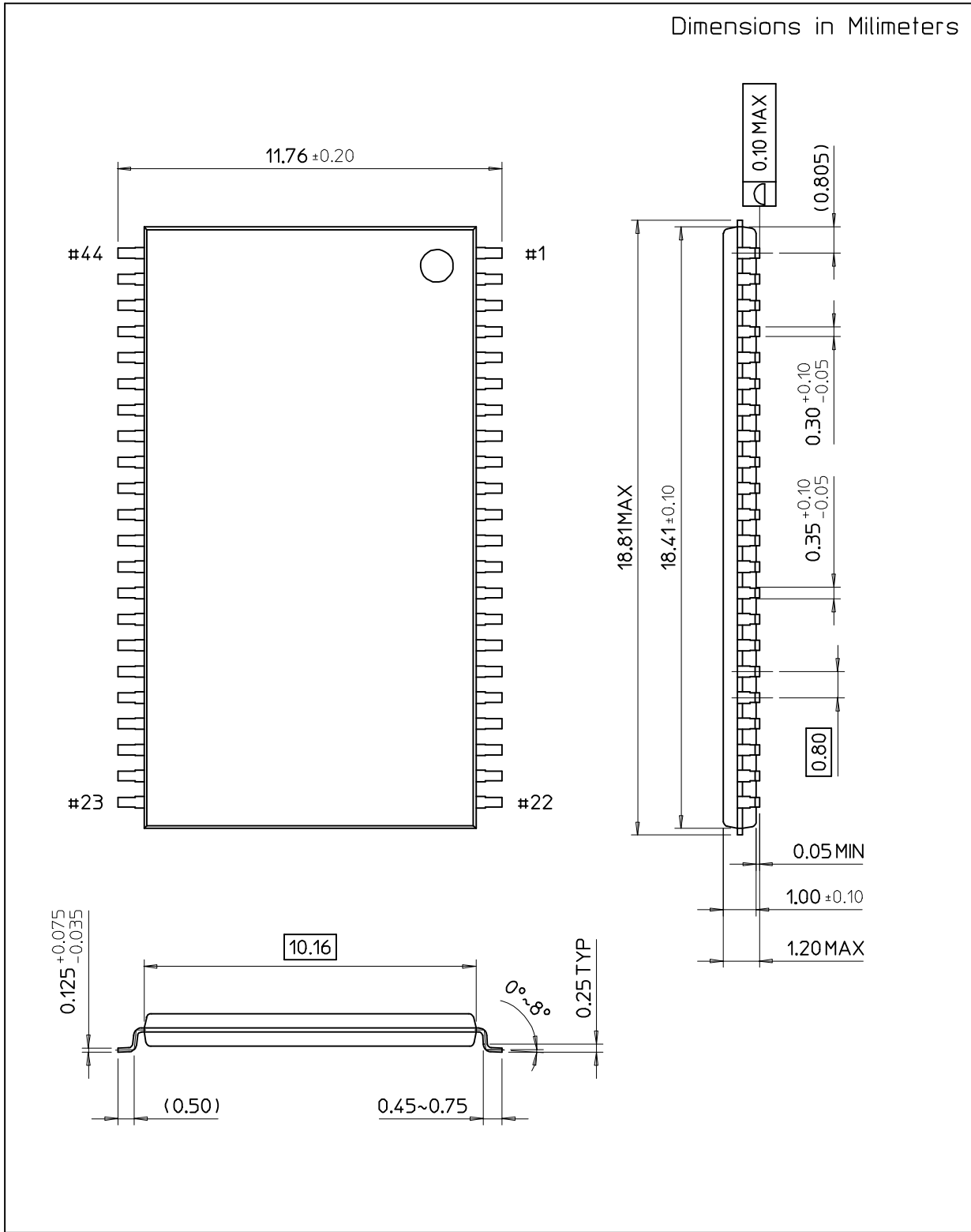
44-TSOP2-400BF

Dimensions in Millimeters

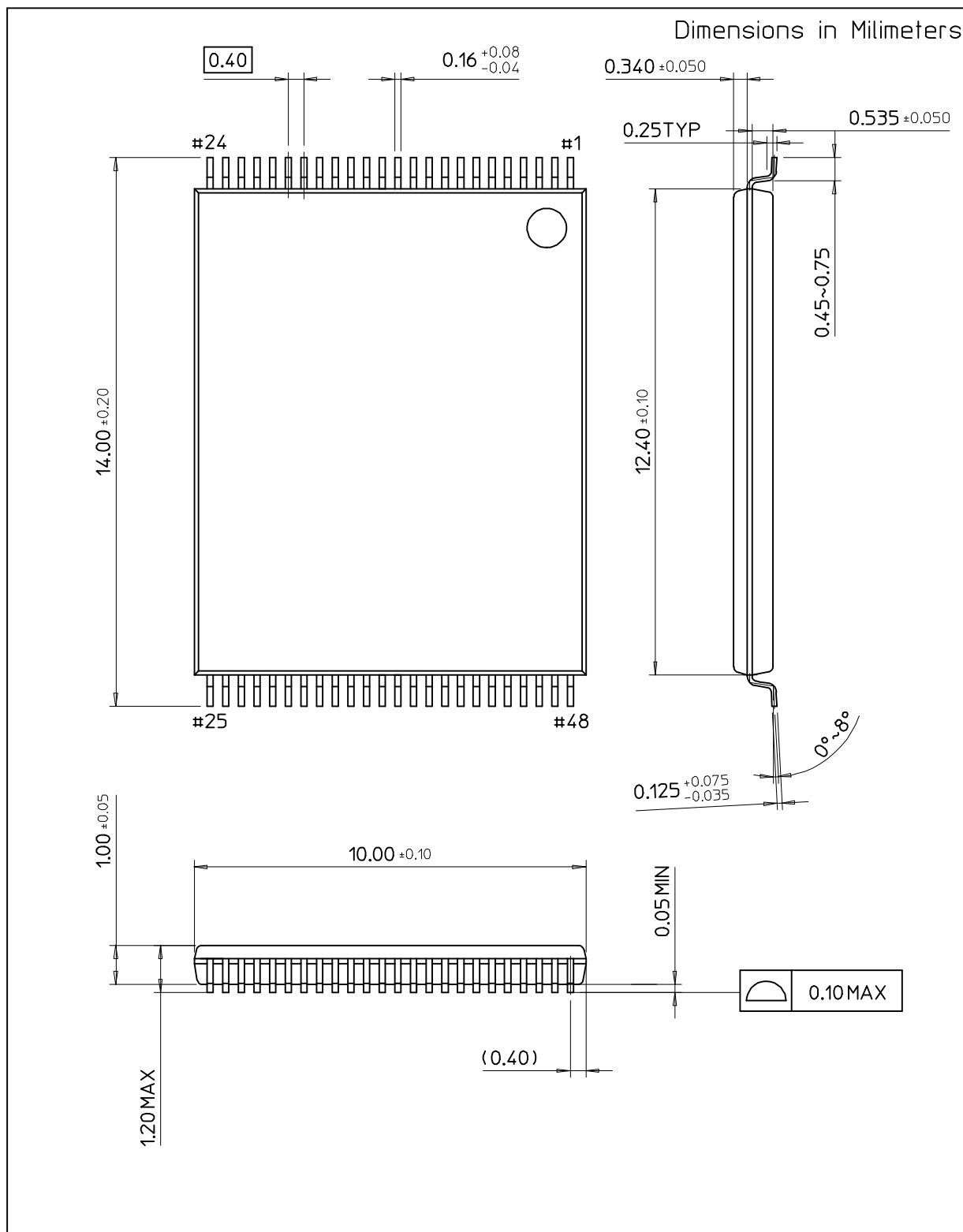


44-TSOP2-400BR

Dimensions in Millimeters

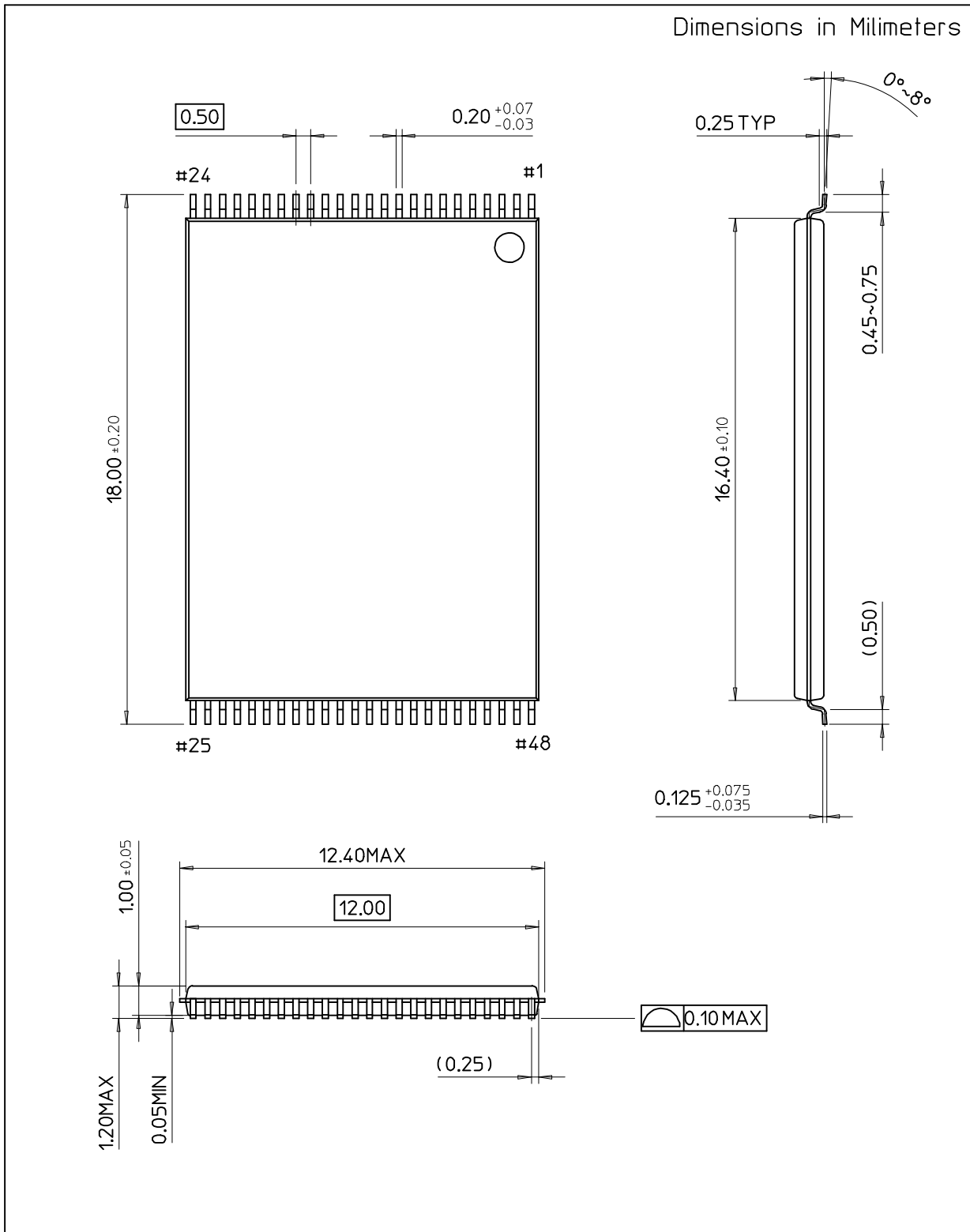


48-TSOP1-1014F



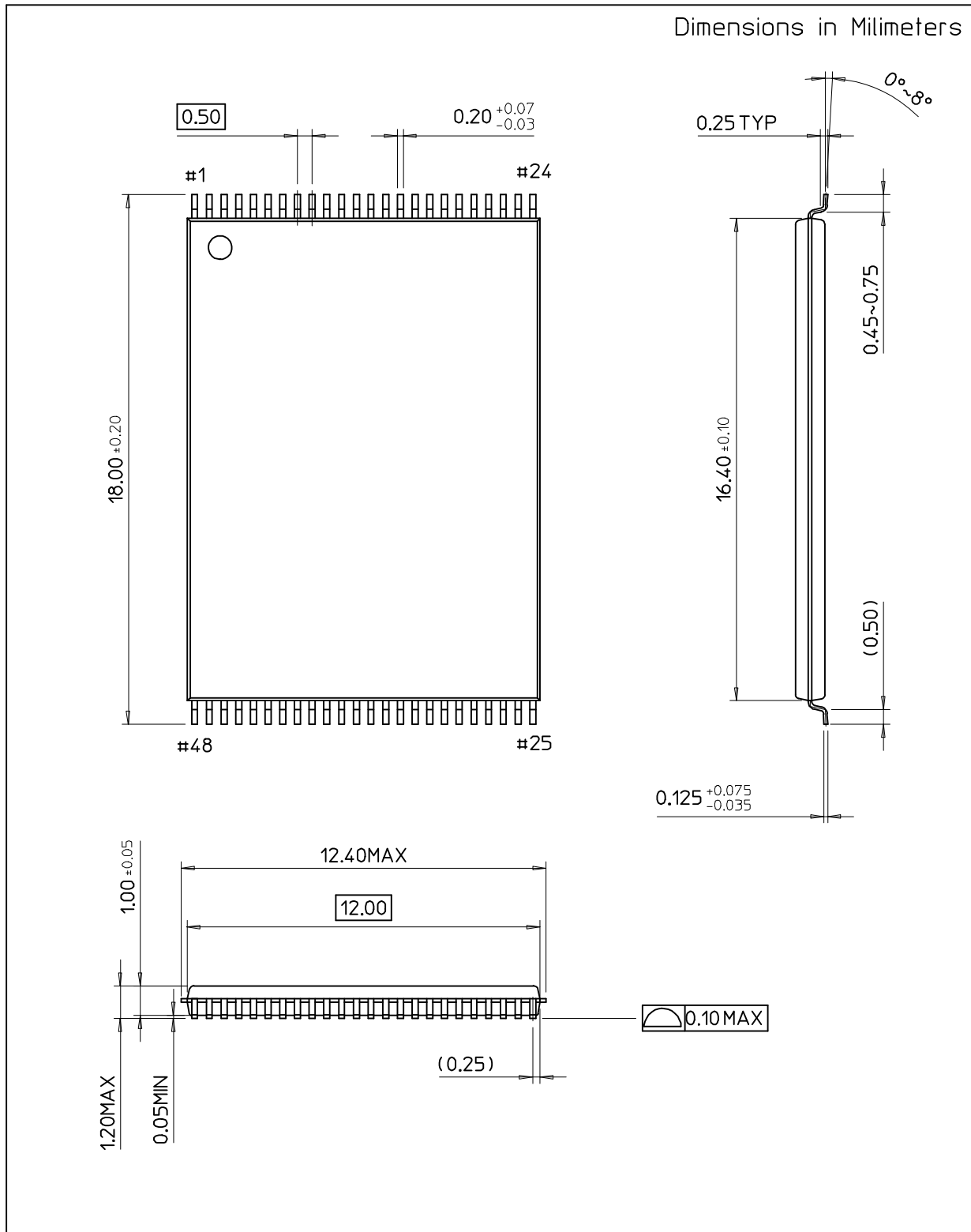
48-TSOP1-1218F

Dimensions in Millimeters

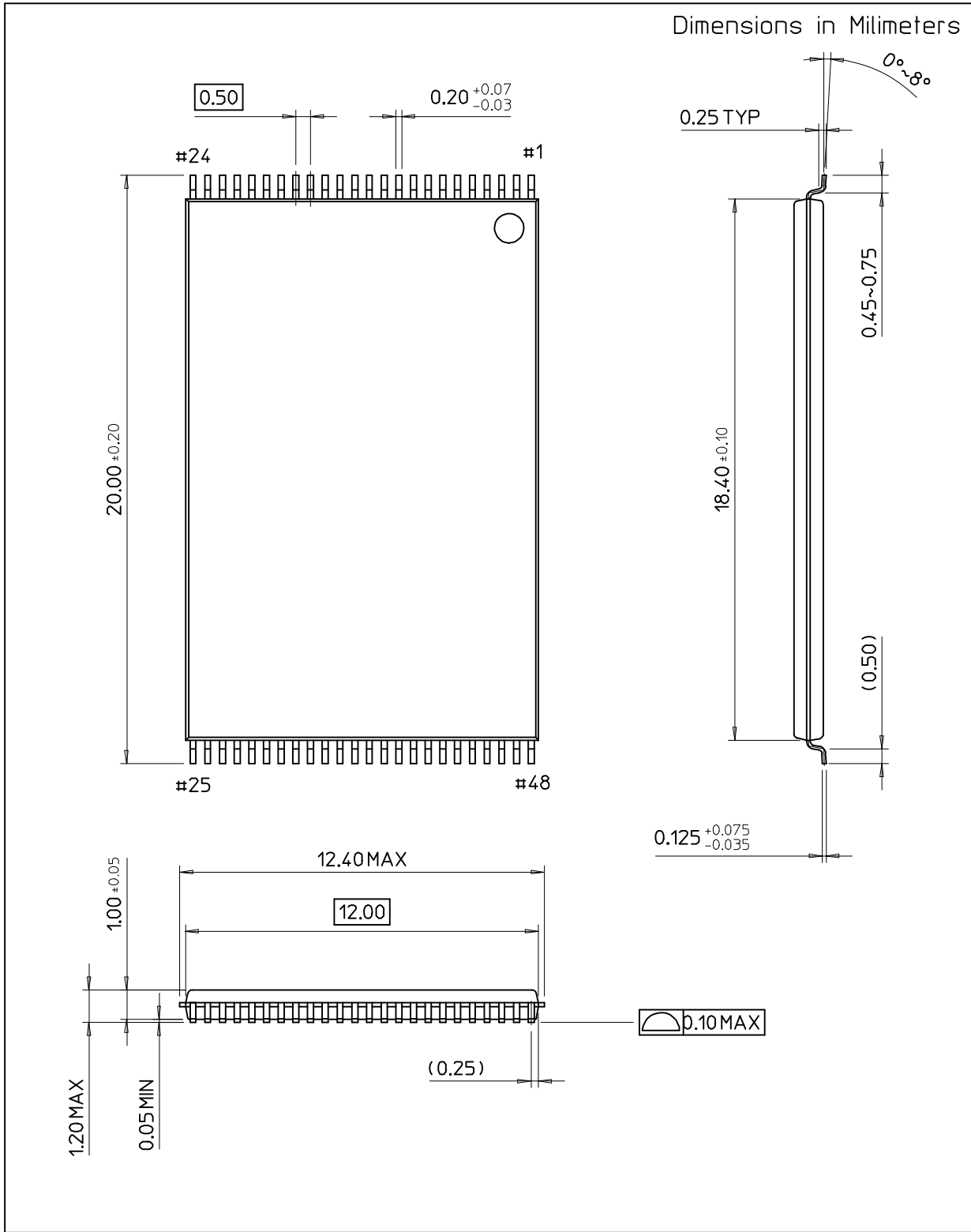


48-TSOP1-1218R

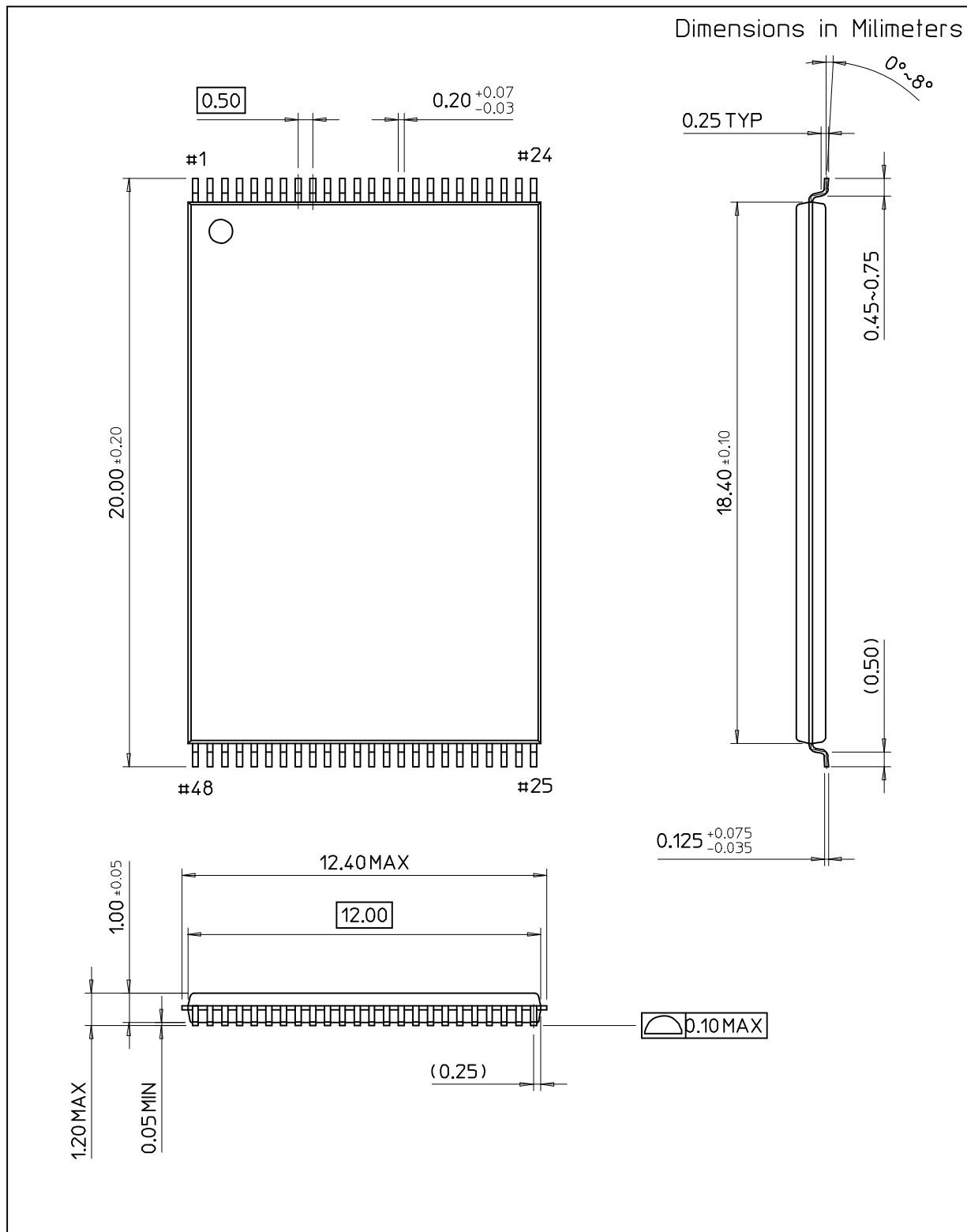
Dimensions in Millimeters



48-TSOP1-1220F

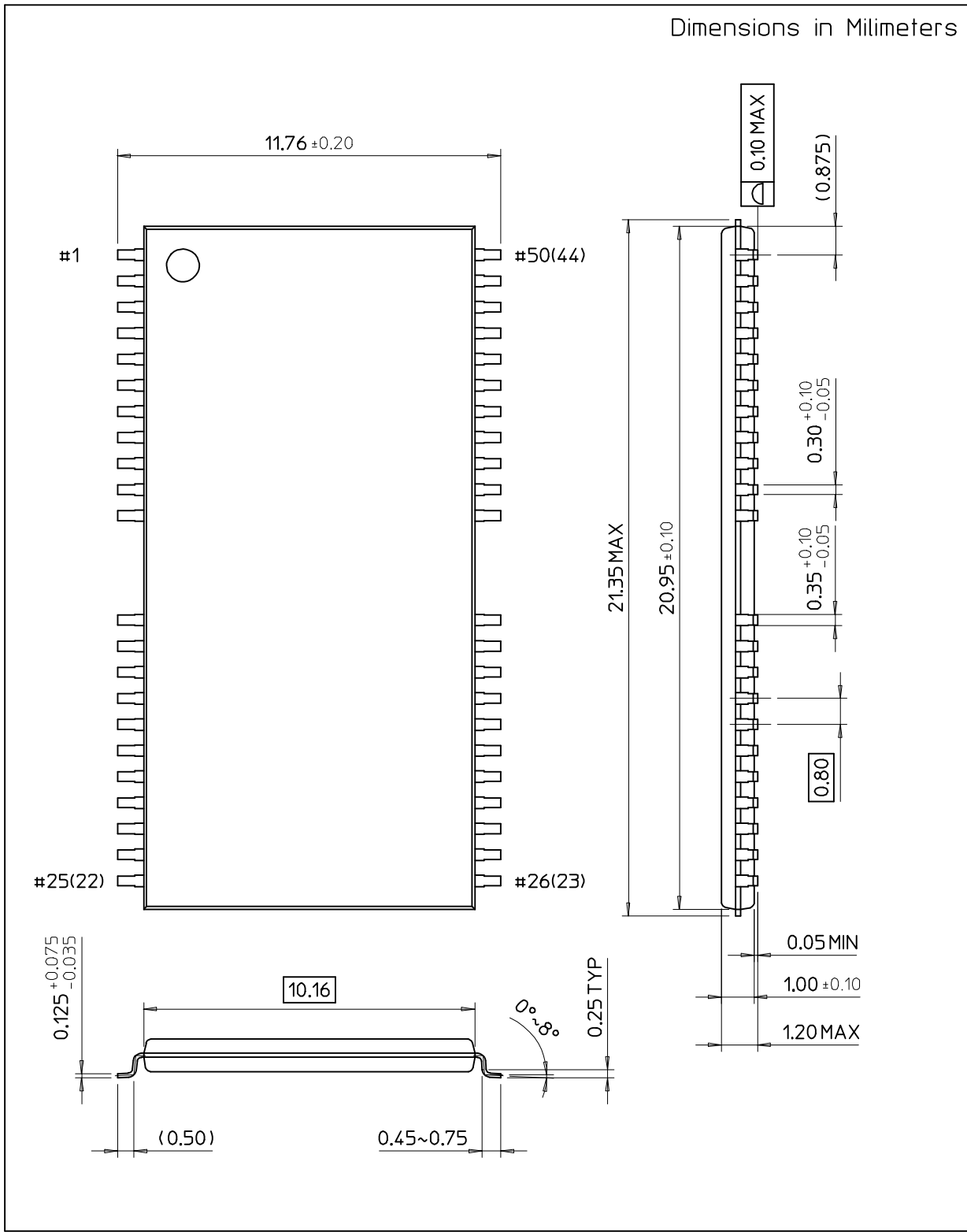


48-TSOP1-1220R



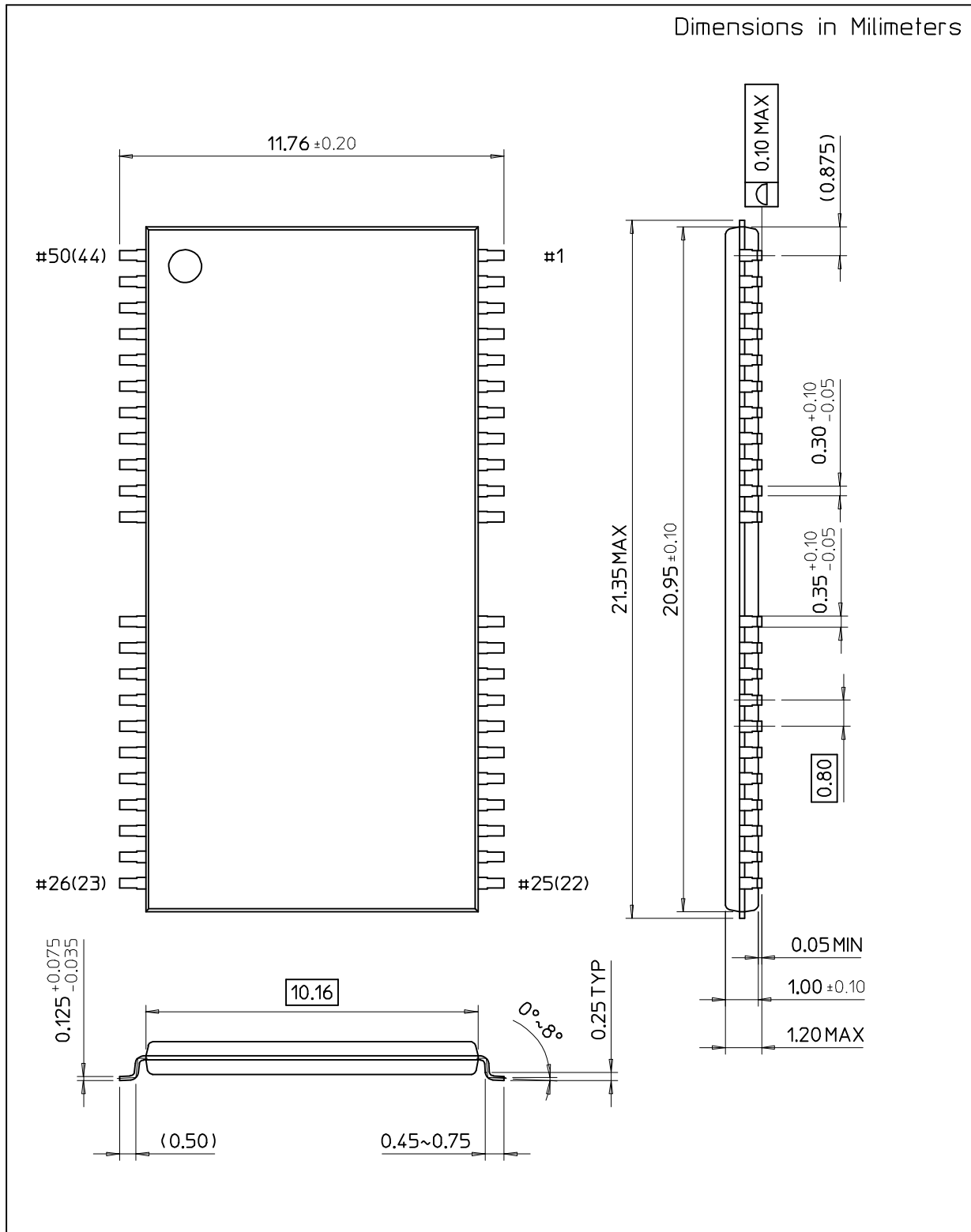
50(44)-TSOP2-400BF

Dimensions in Millimeters



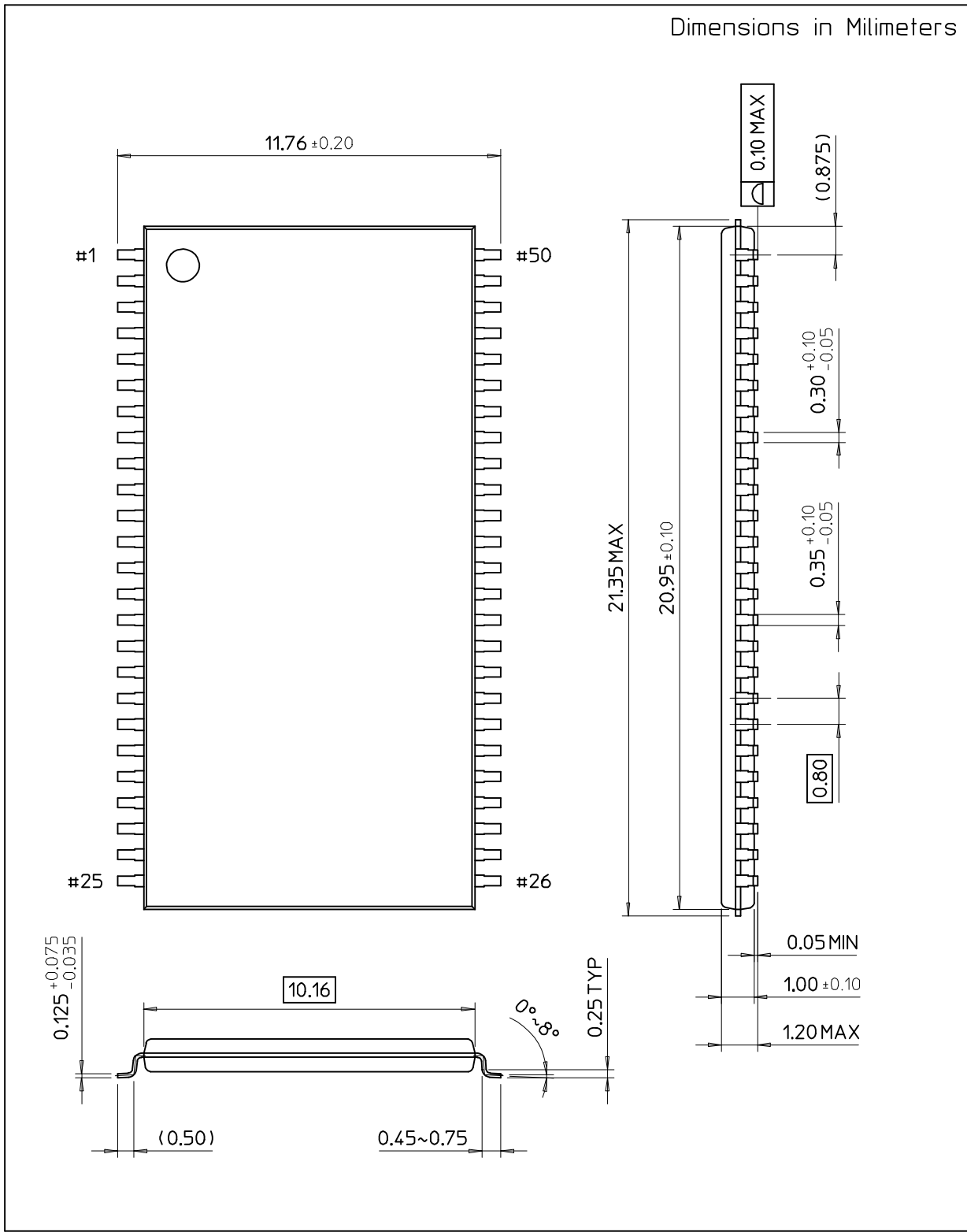
50(44)-TSOP2-400BR

Dimensions in Millimeters



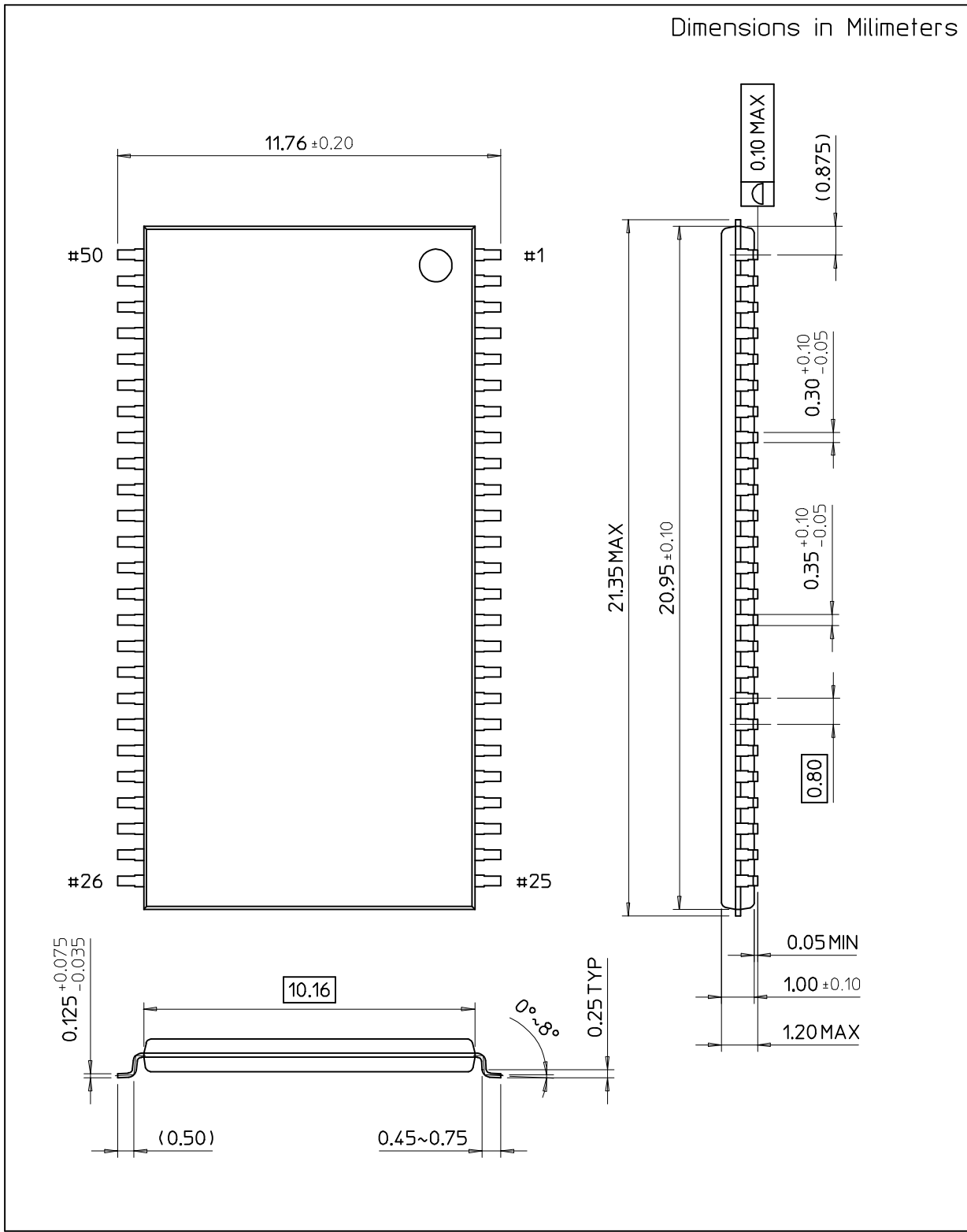
50-TSOP2-400CF

Dimensions in Millimeters



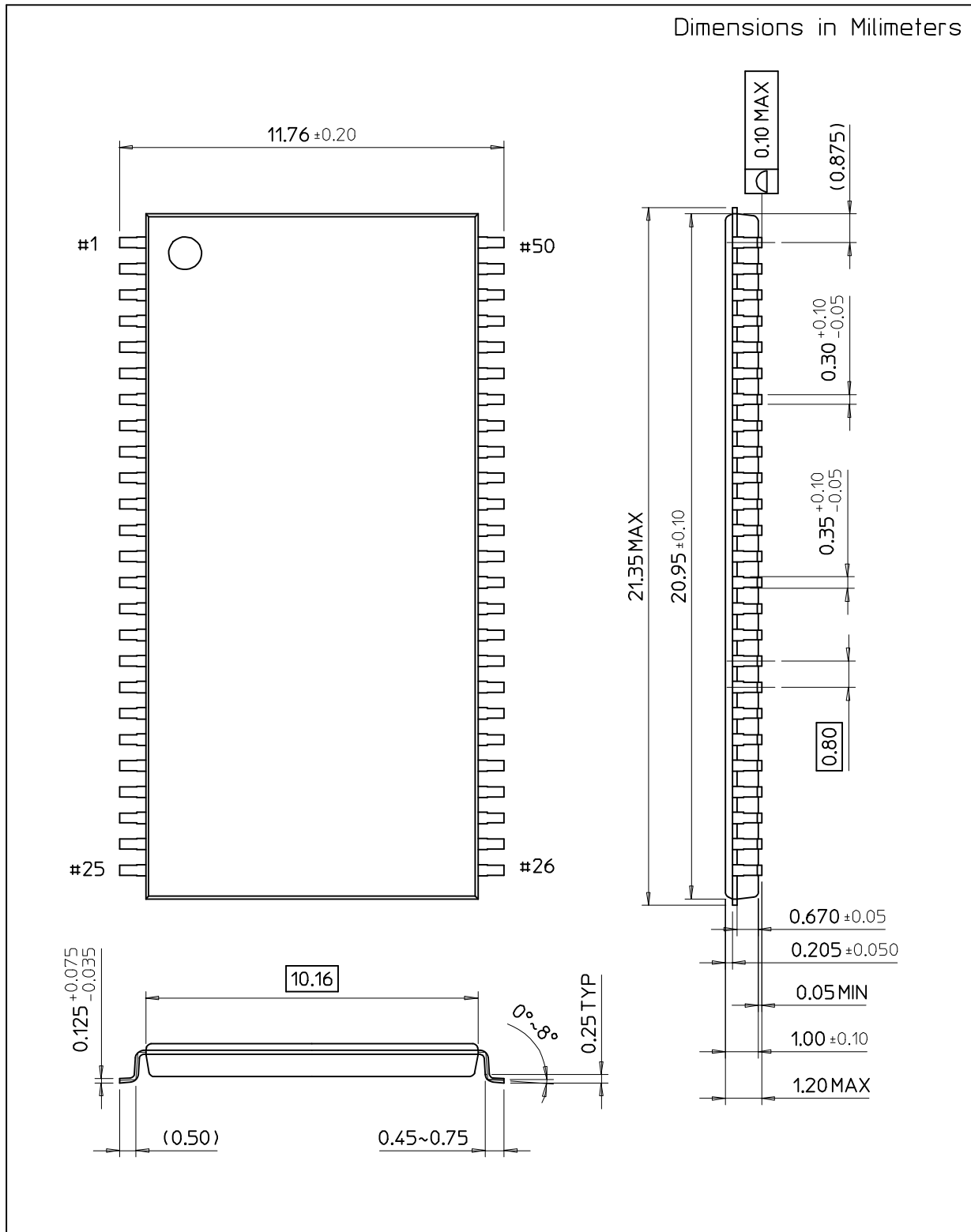
50-TSOP2-400CR

Dimensions in Millimeters



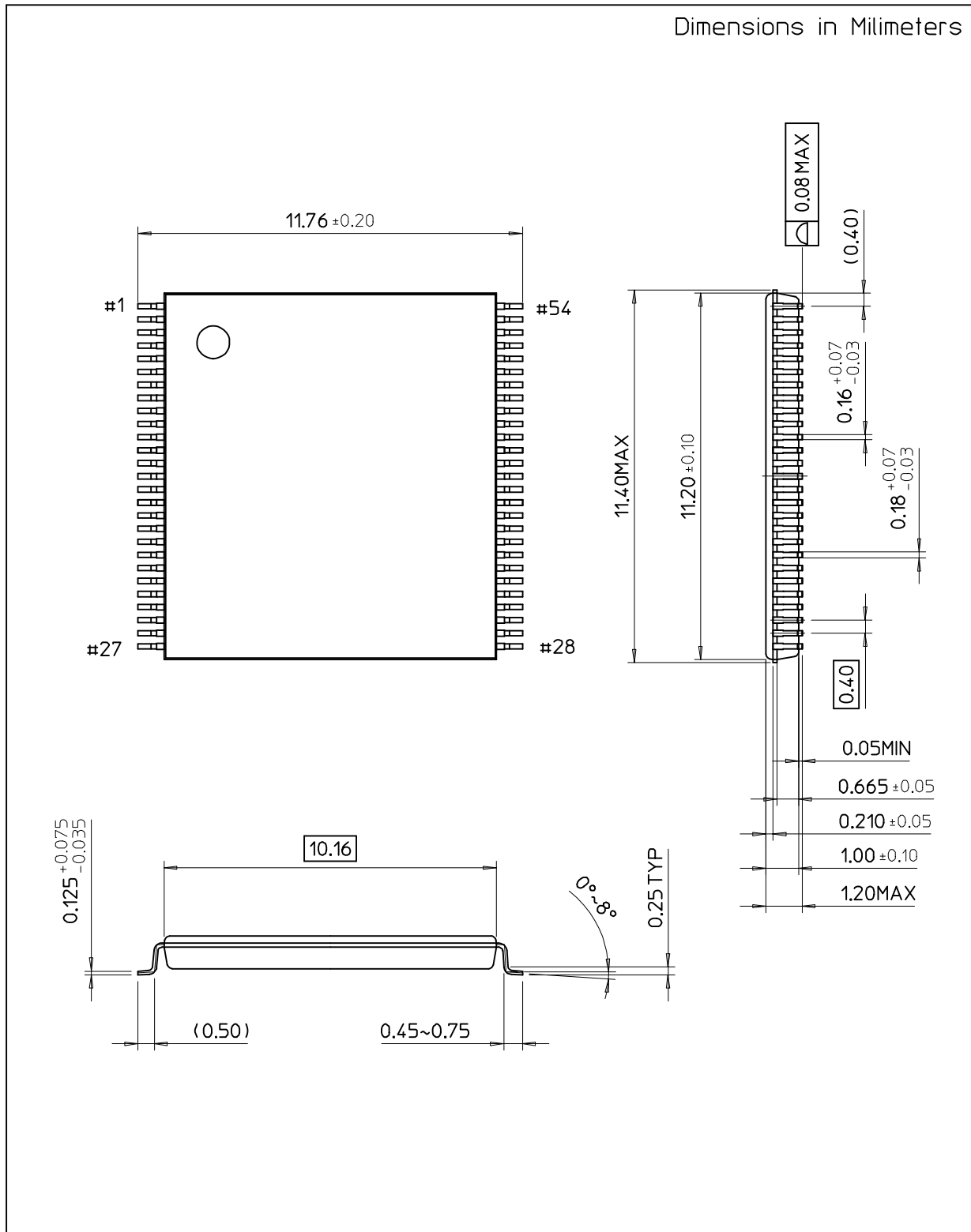
50-TSOP2-400DF

Dimensions in Millimeters



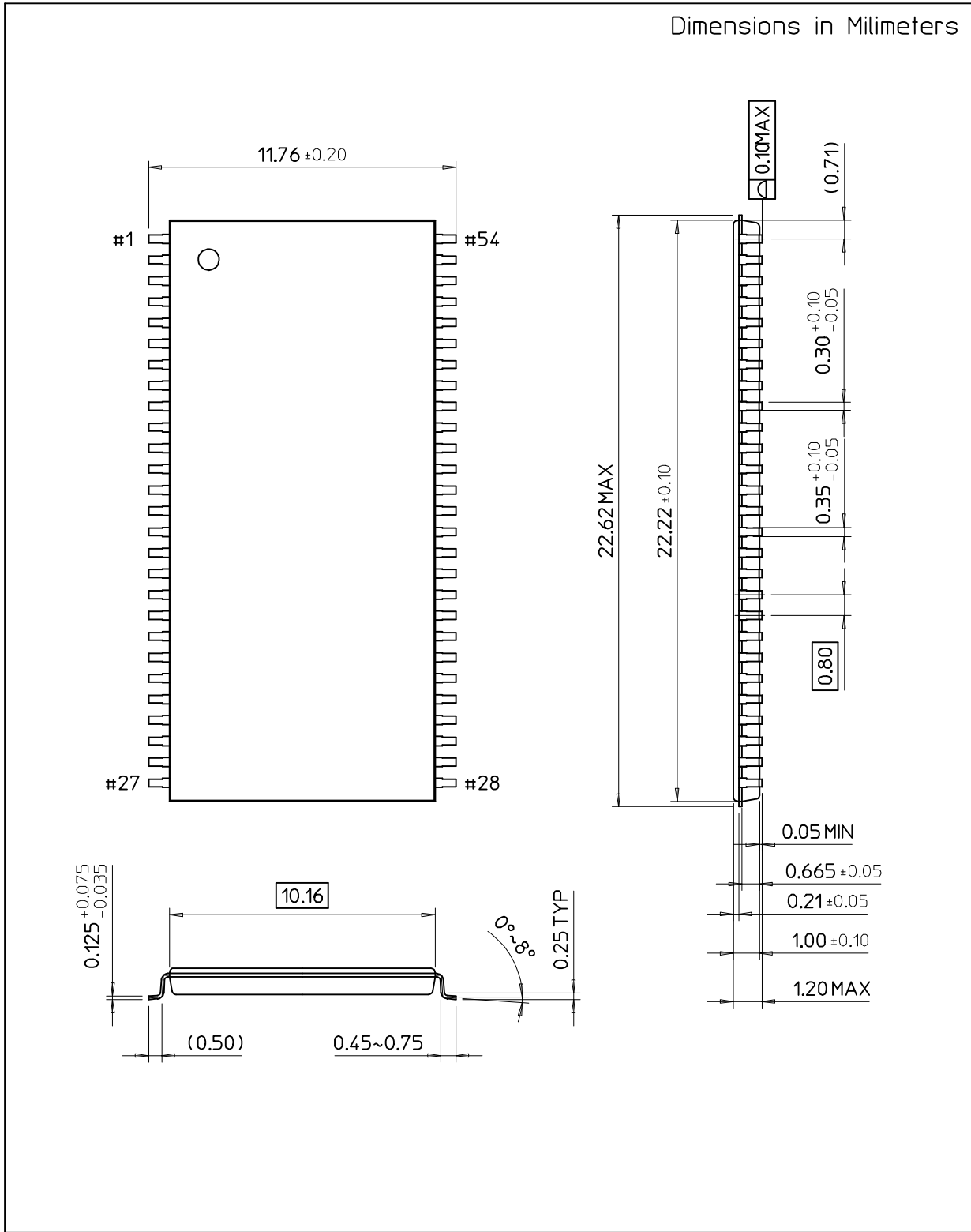
54-sTSOP2-400F

Dimensions in Millimeters



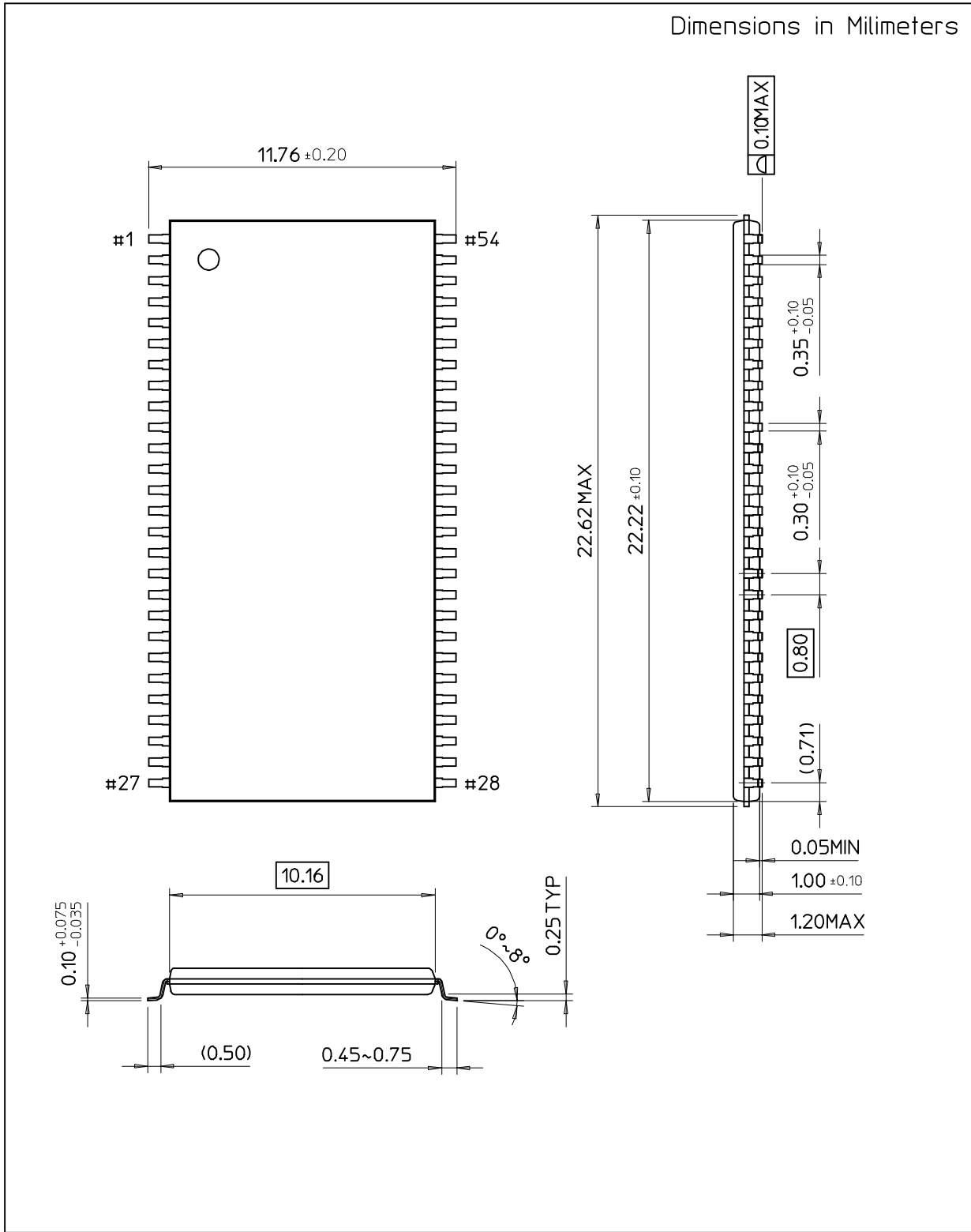
54-TSOP2-400AF

Dimensions in Millimeters



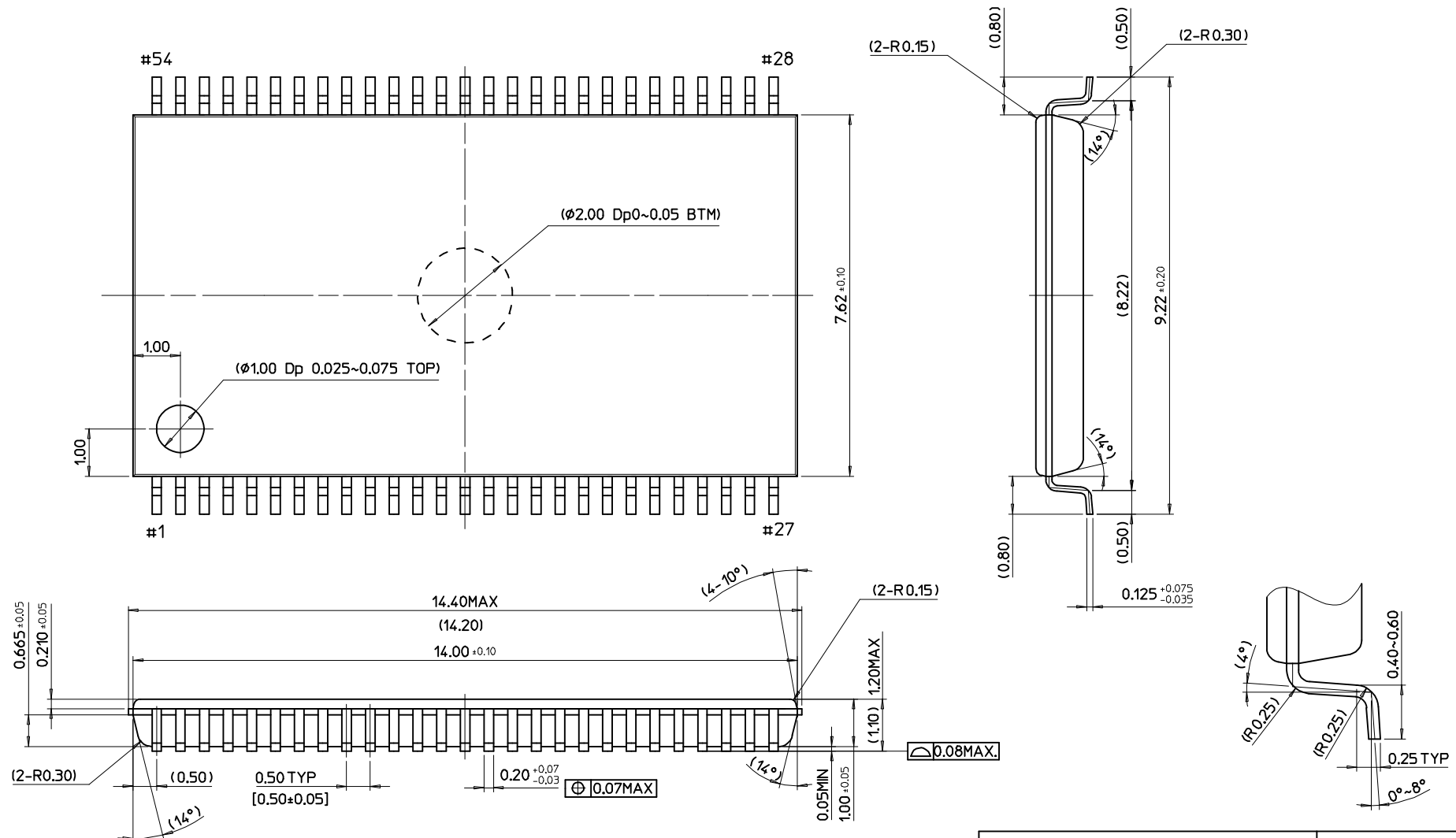
54-TSOP2-400CF

Dimensions in Millimeters



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OTHER WAY IN WHOLE OR PART EXCEPT AS AUTHORIZED IN WRITING BY SEC.

REV.	DATE	ECN#
000	2002. 01. 17.	



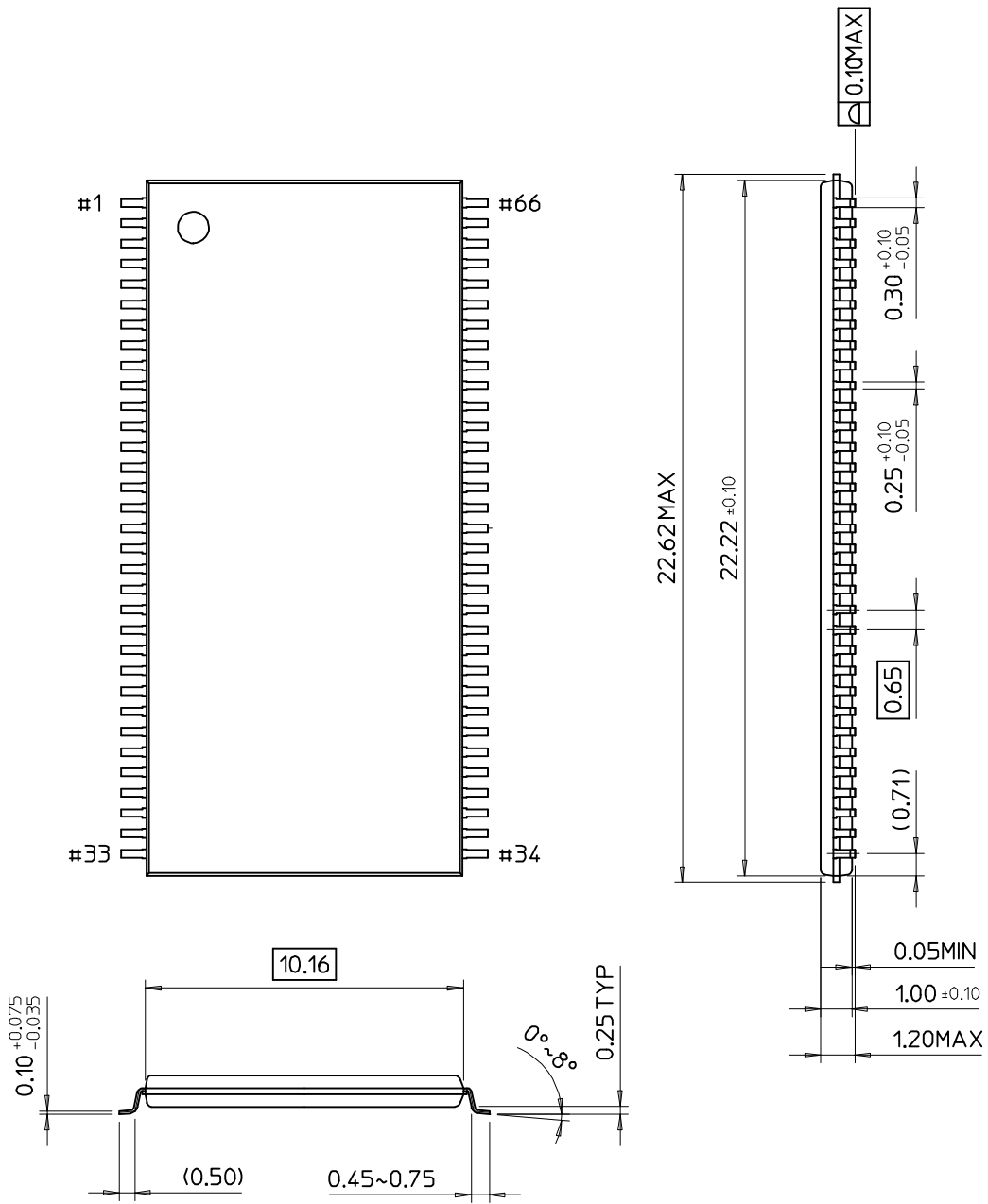
NOTE

1. THESE DIMENSIONS DO NOT INCLUDE MOLD PROTRUSION.
2. () IS REFERENCE
3. [] IS ASS'Y OUT QUALITY

TITLE		54-sTSOP2-300/0.5		DESIGNER		S.H.HONG	
PACKAGE OUTLINE							
UNIT	mm	TOLERANCE	N/A	SCALE	12/1	SHEET	1/1
DWG. NO.	HS-02001-0	SPEC NO.	ADS10270				

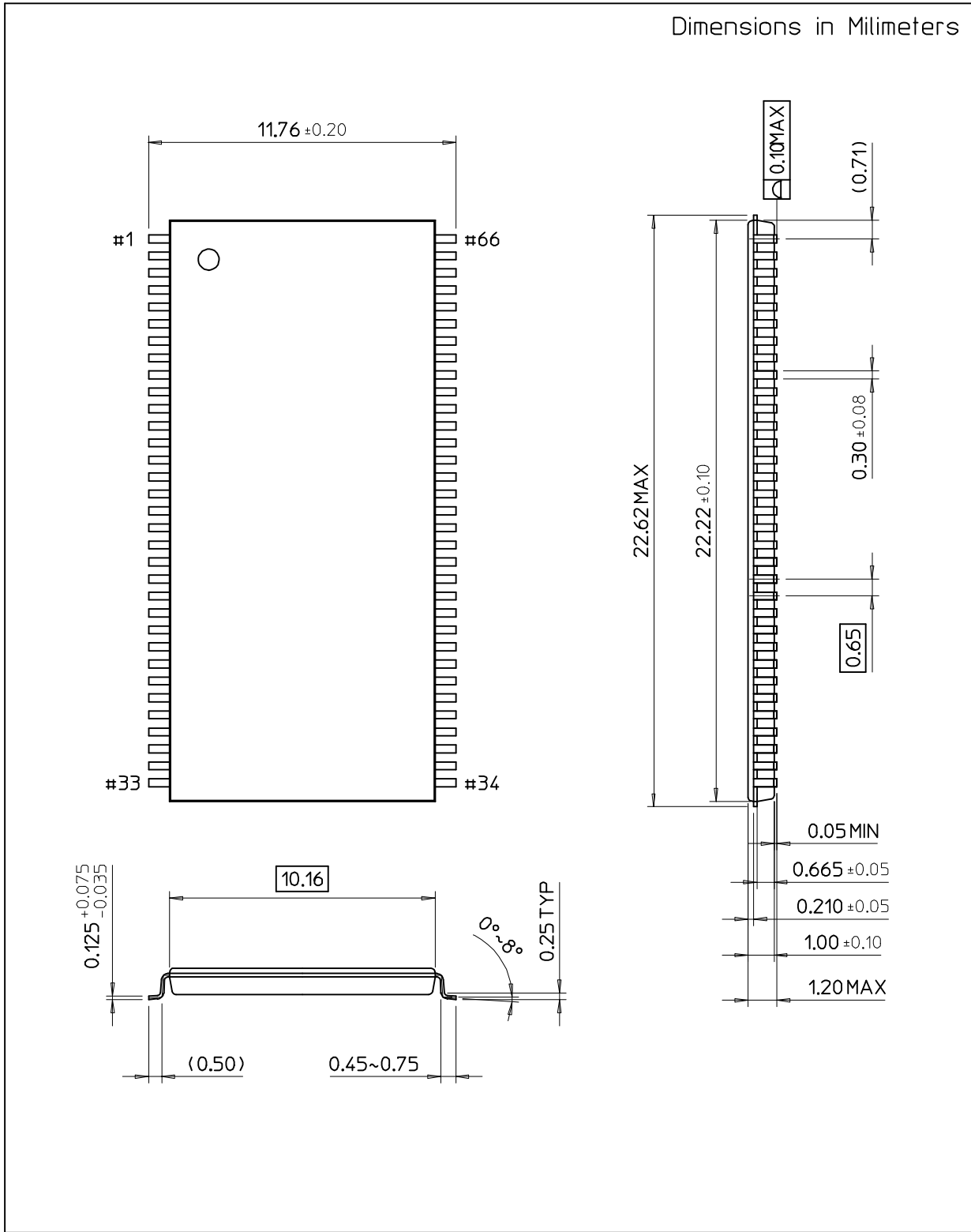
66-TSOP2-400CF

Dimensions in Millimeters



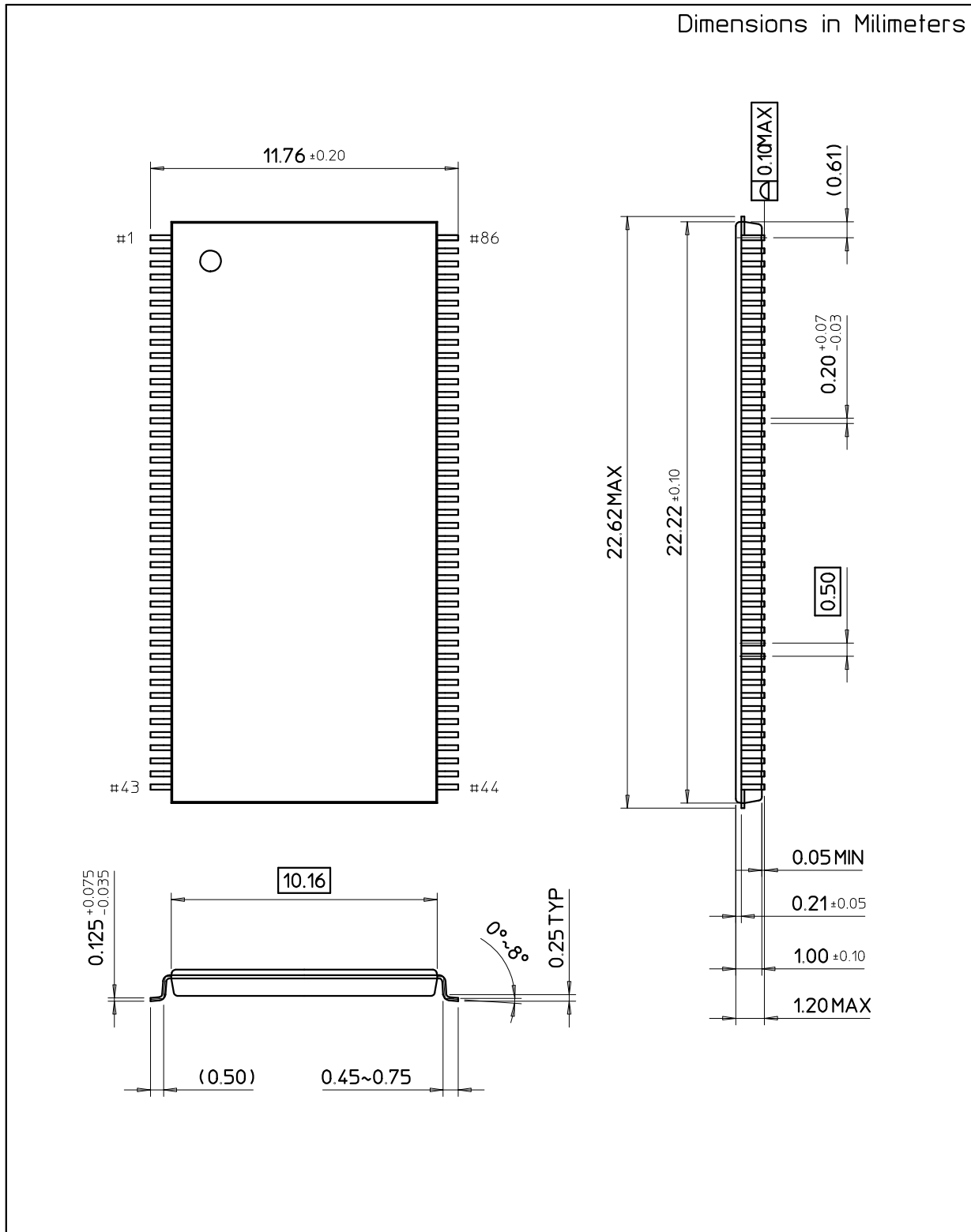
66-TSOP2-400F

Dimensions in Millimeters



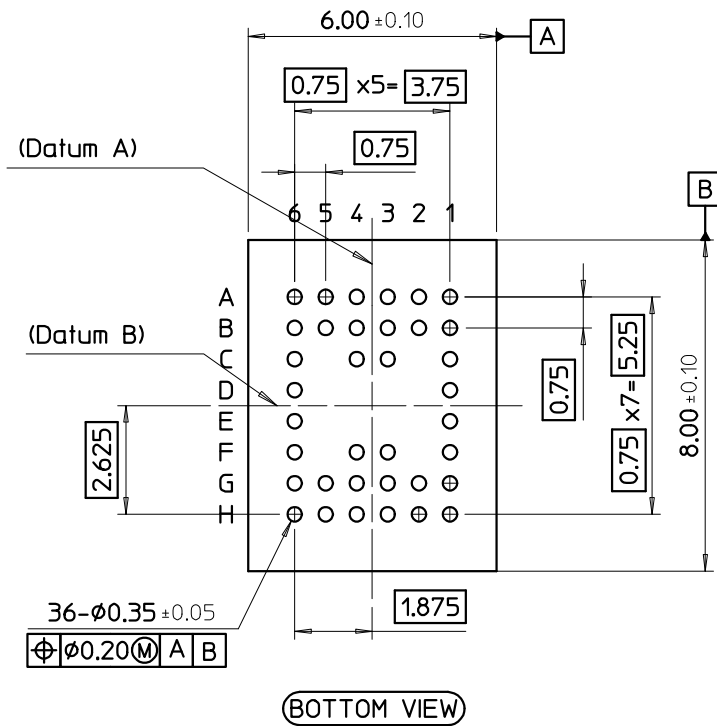
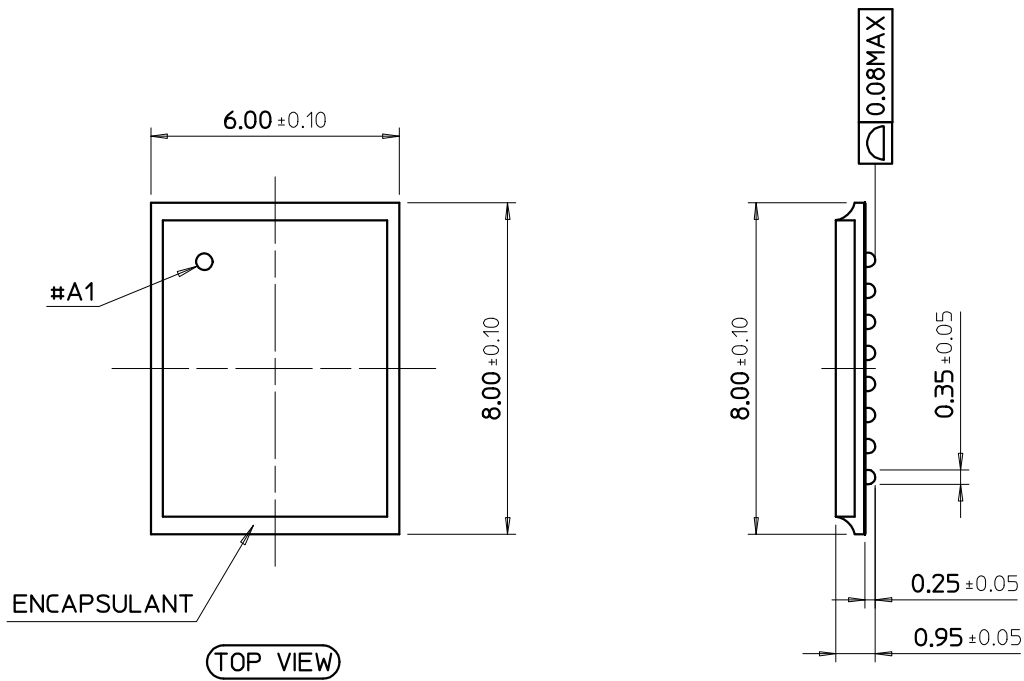
86-TSOP2-400F

Dimensions in Millimeters



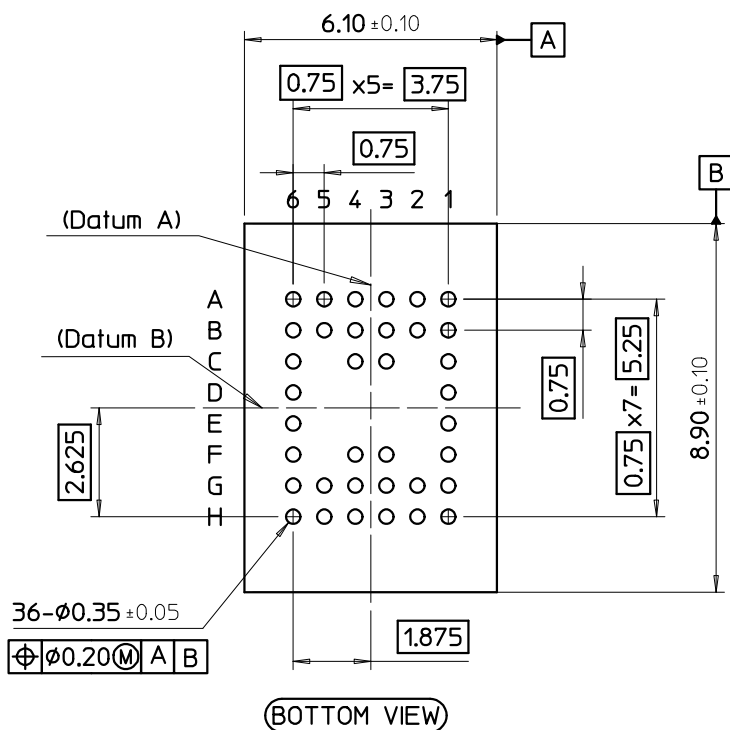
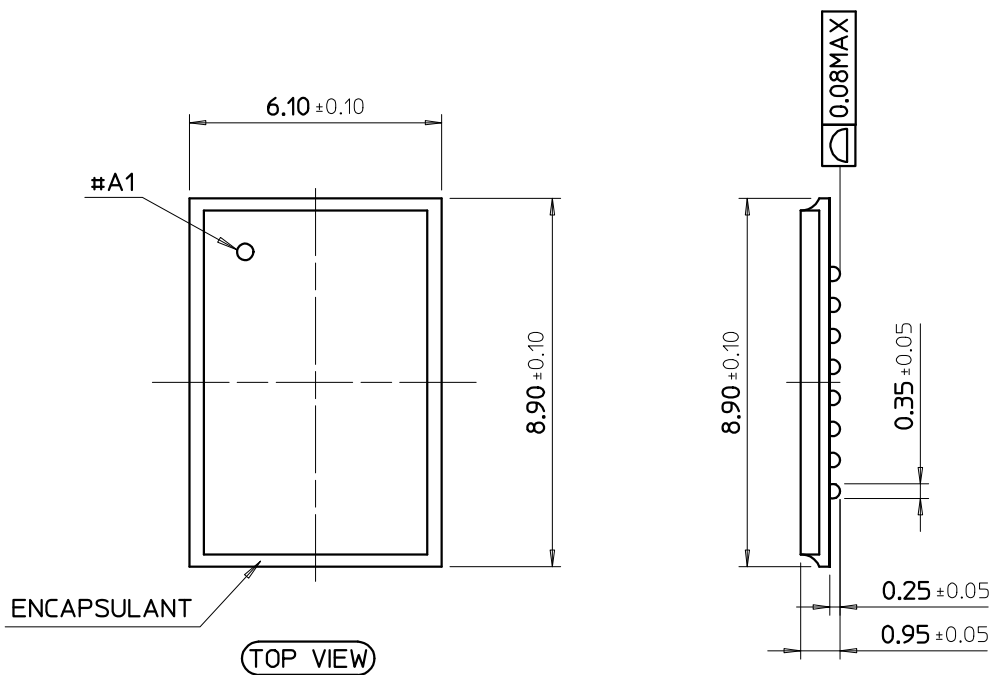
36-uBGA-6.00x8.00

Dimensions in Millimeters



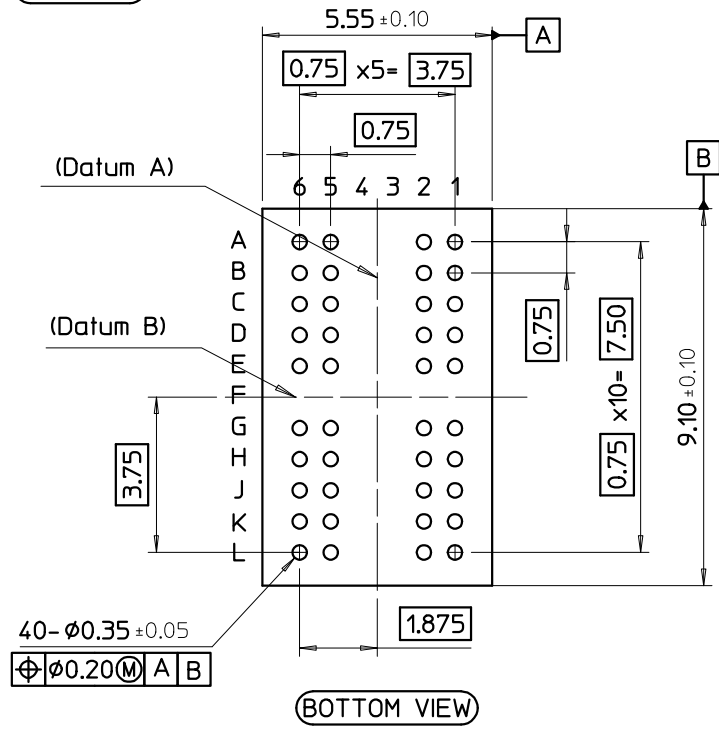
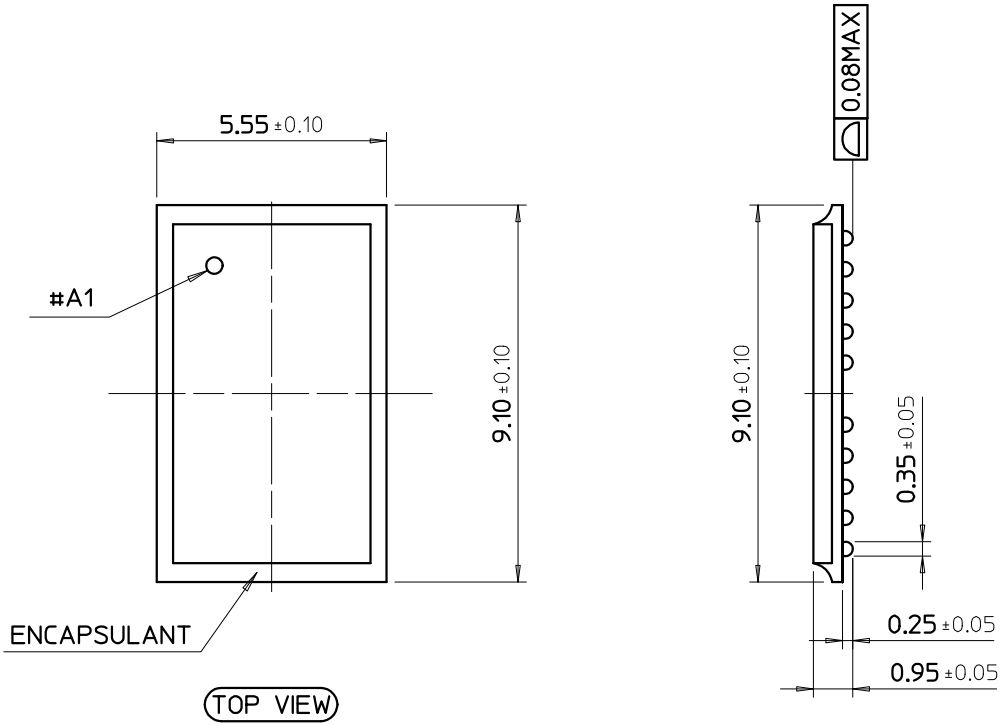
36-uBGA-6.10x8.90

Dimensions in Millimeters



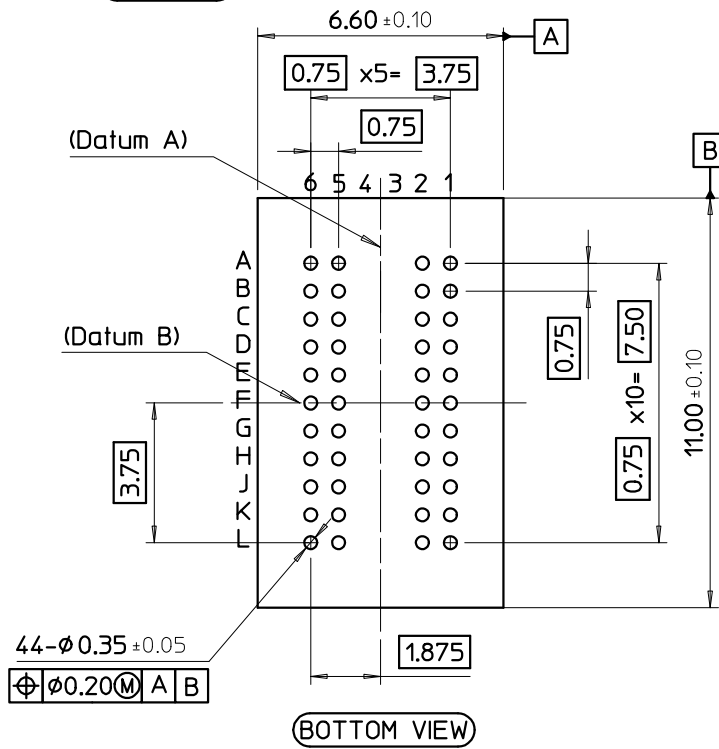
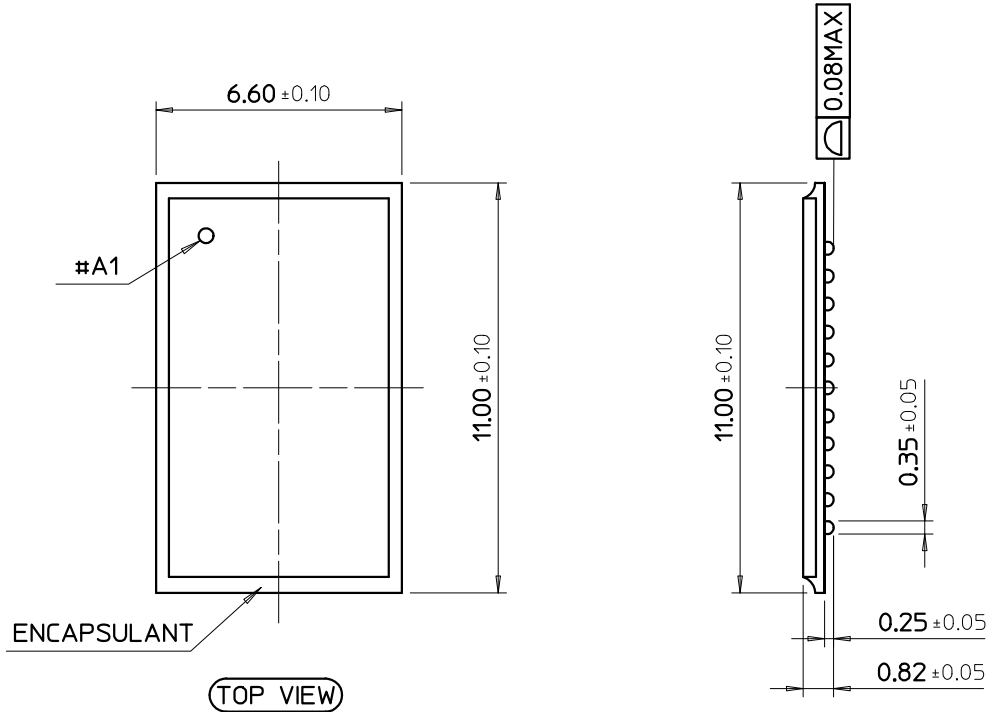
40-uBGA-5.55x9.10

Dimensions in Millimeters



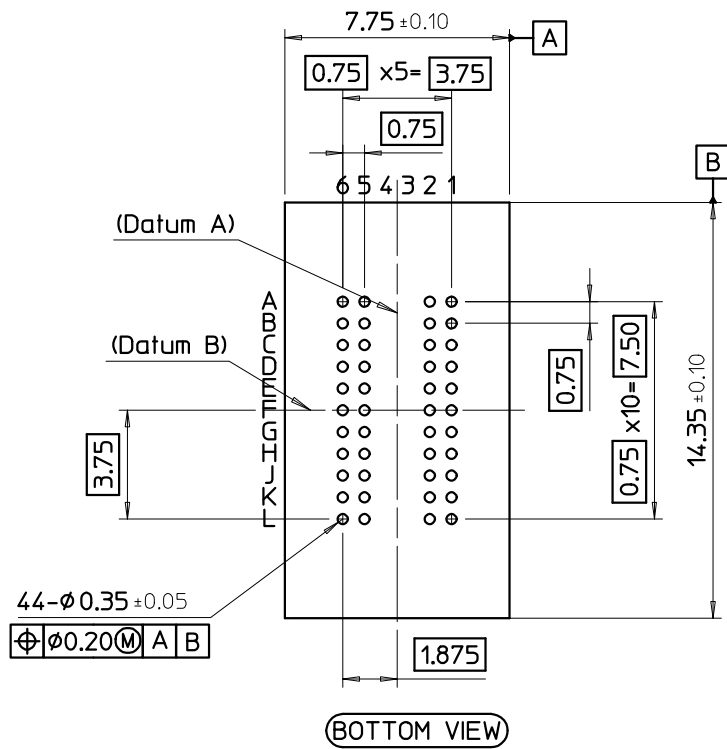
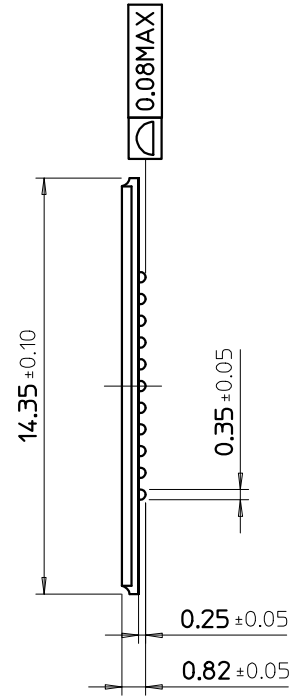
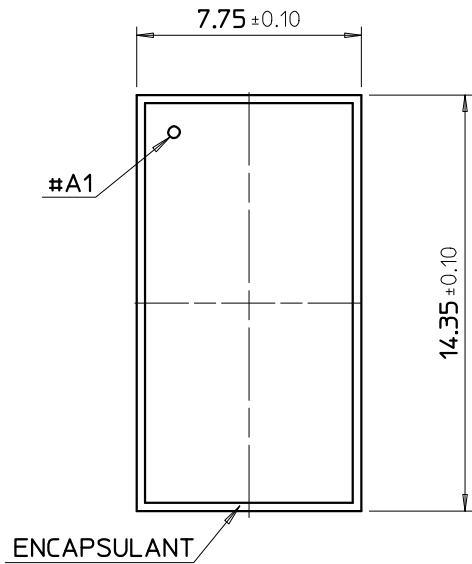
44-uBGA-6.60x11.00

Dimensions in Millimeters



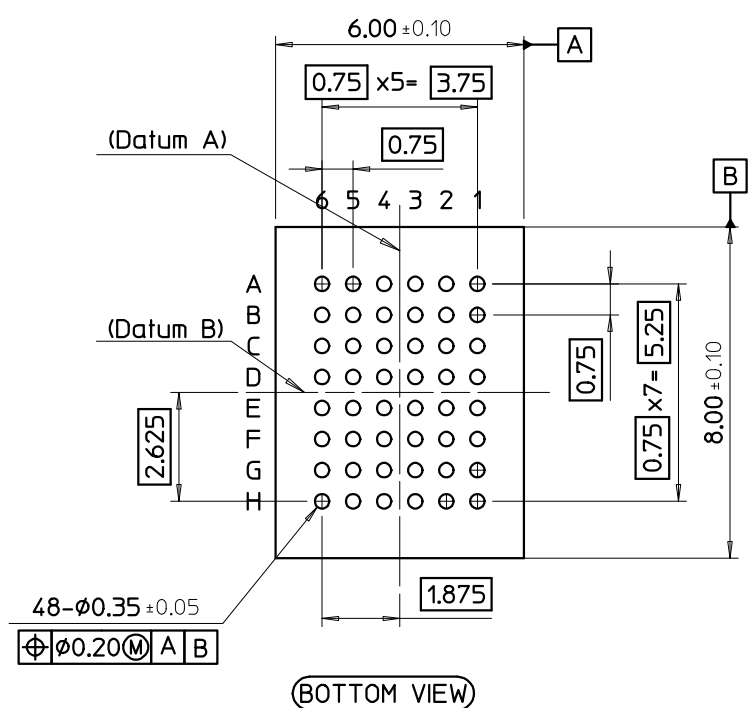
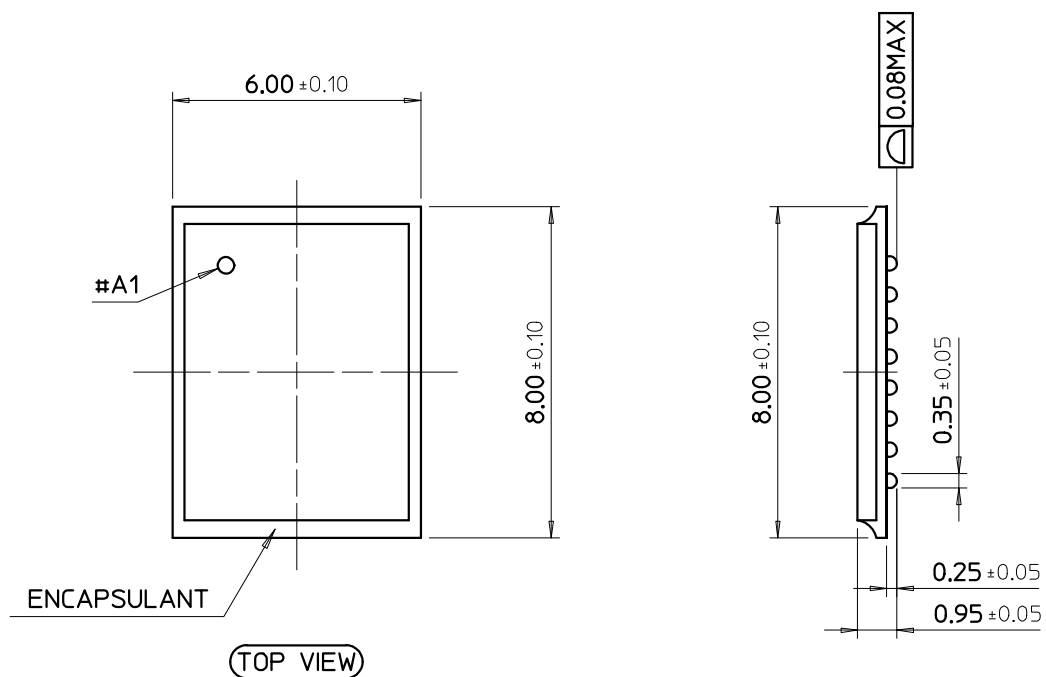
44-uBGA-7.75x14.35

Dimensions in Millimeters



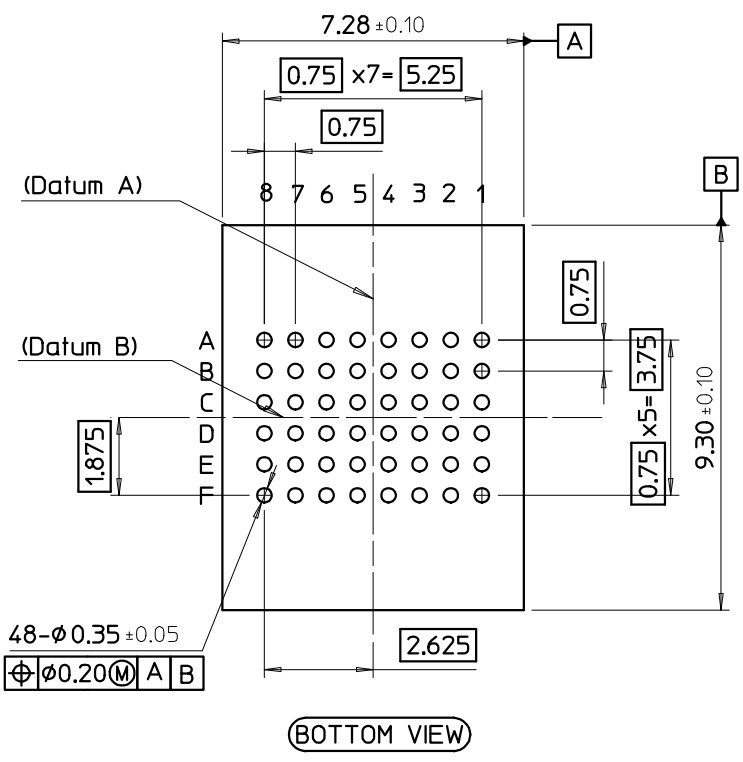
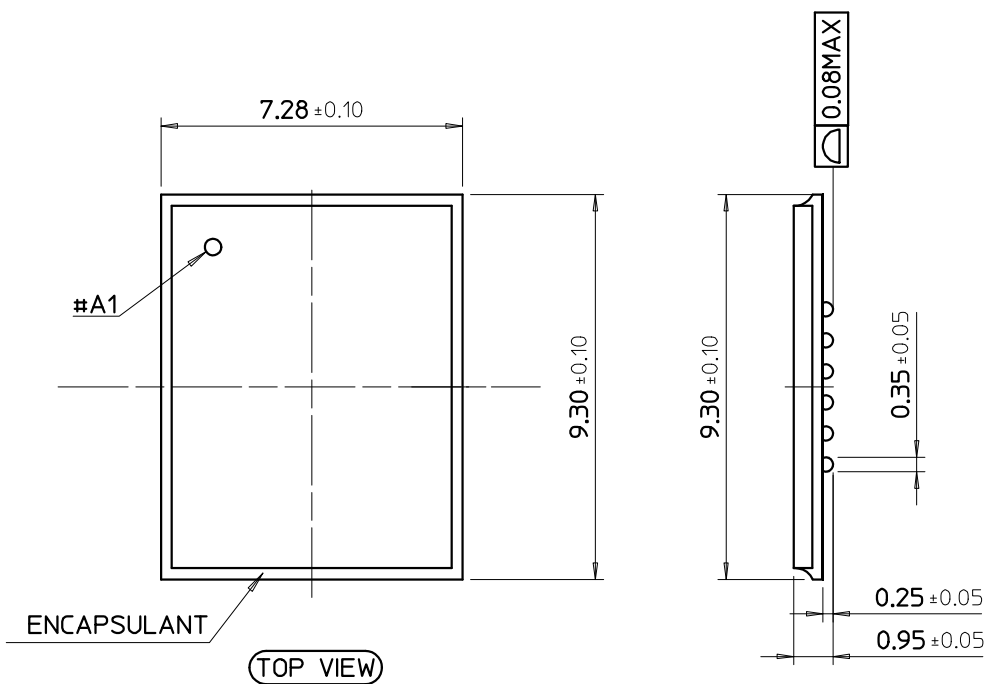
48-uBGA-6.00x8.00

Dimensions in Millimeters



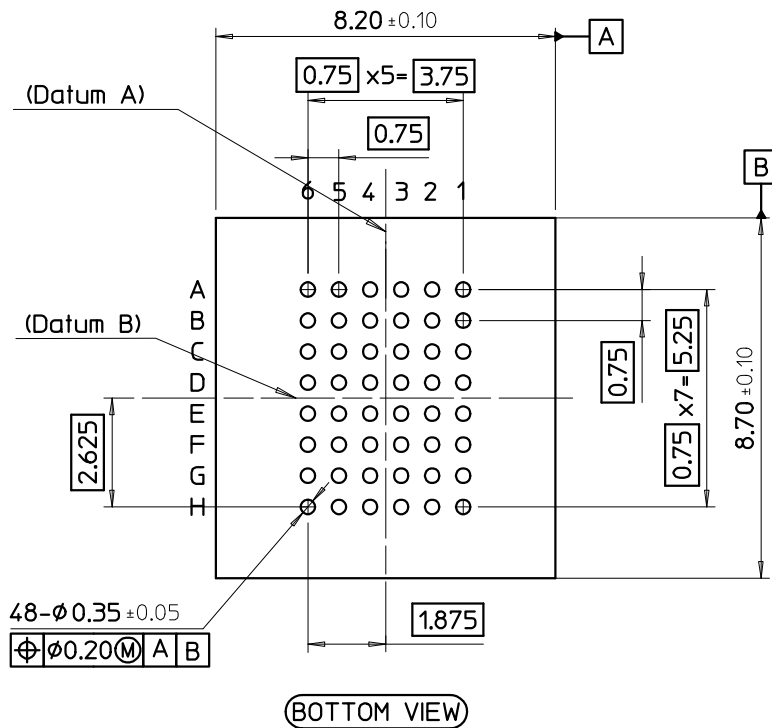
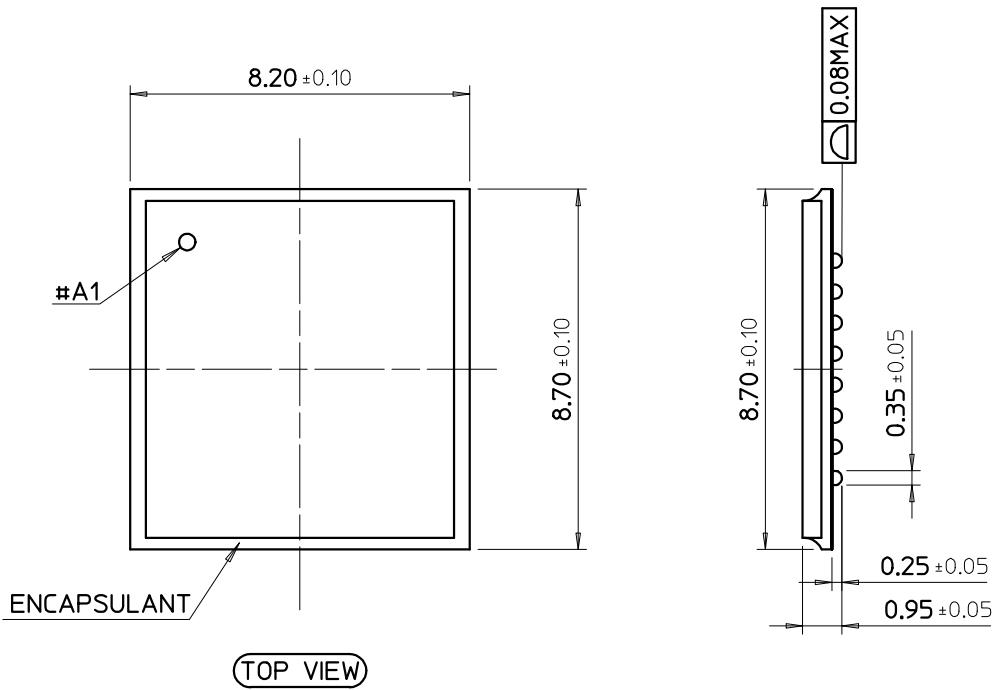
48-uBGA-7.28x9.30

Dimensions in Millimeters



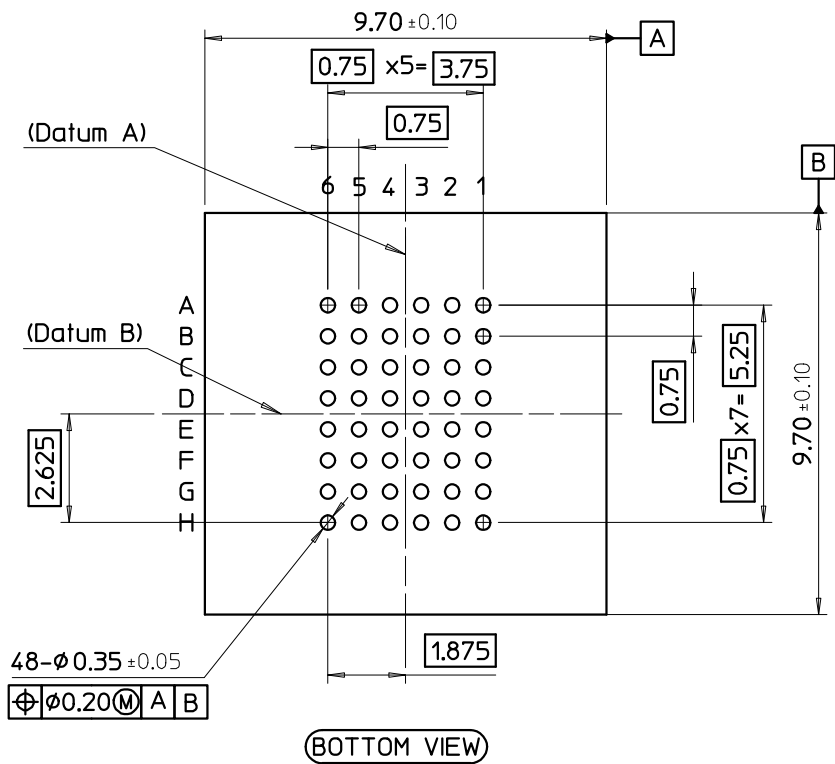
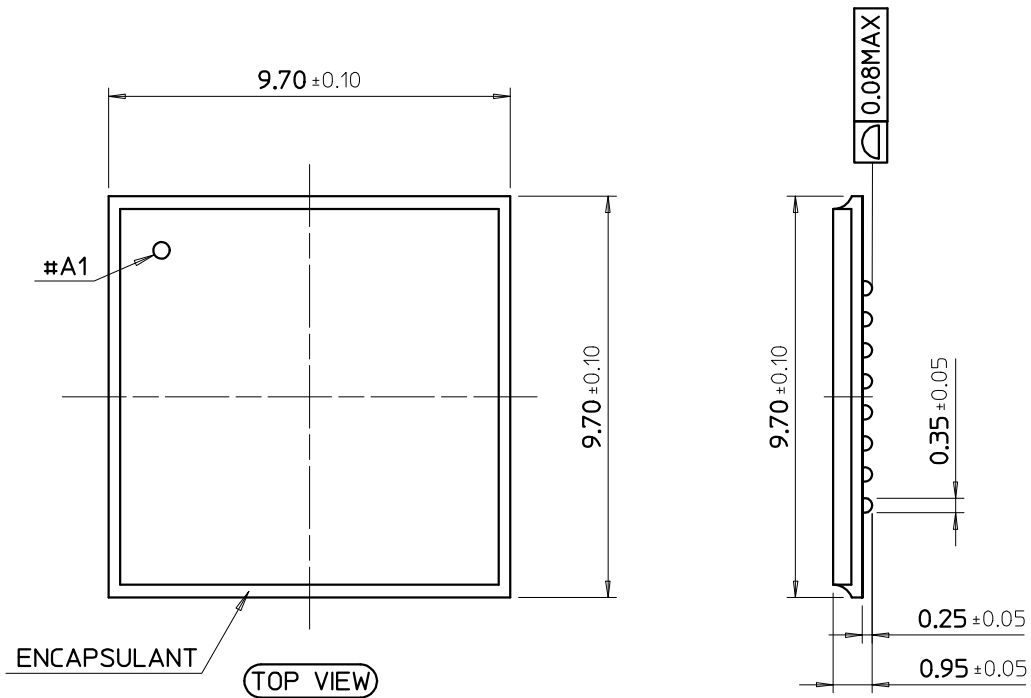
48-uBGA-8.20x8.70

Dimensions in Millimeters



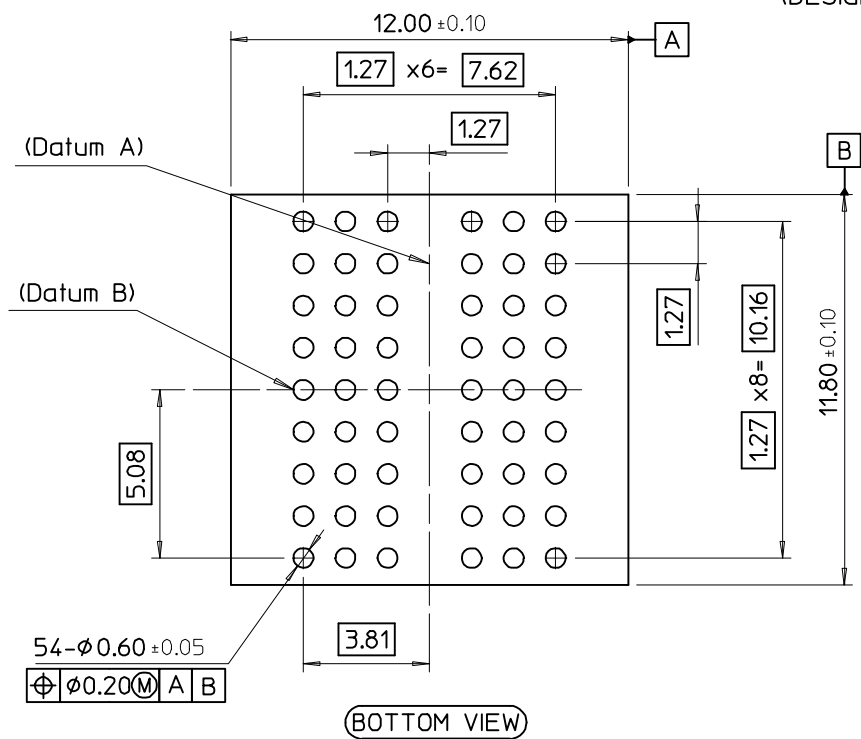
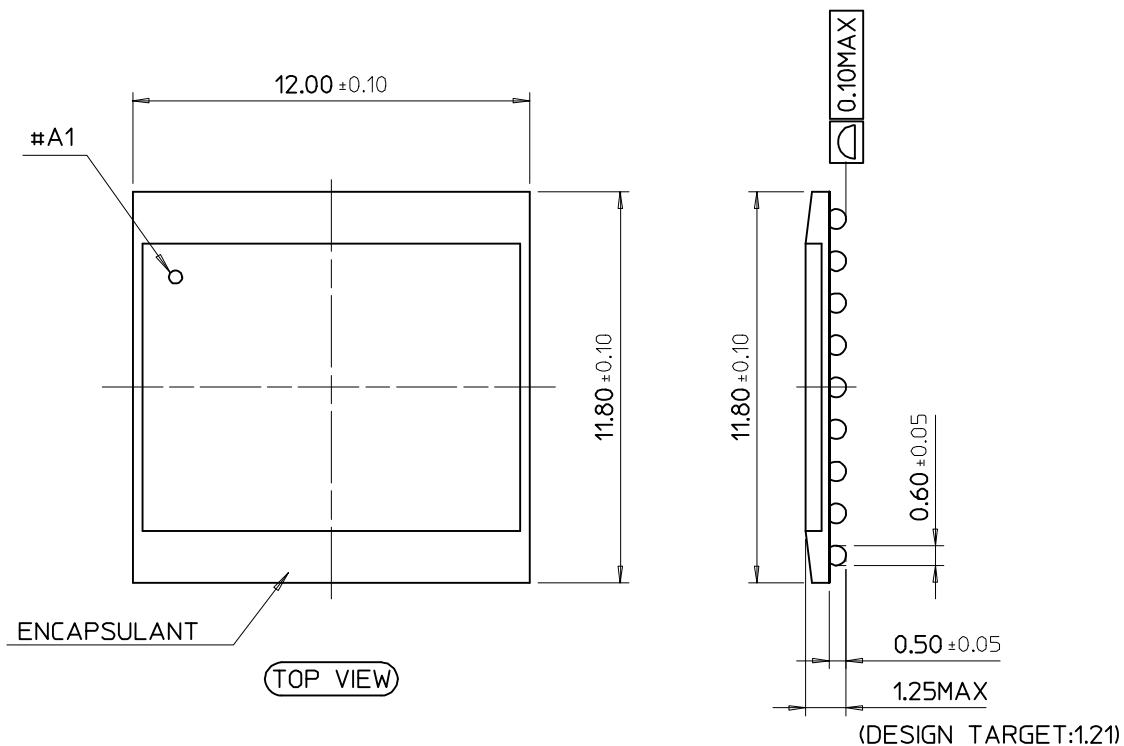
48-uBGA-9.70x9.70

Dimensions in Millimeters



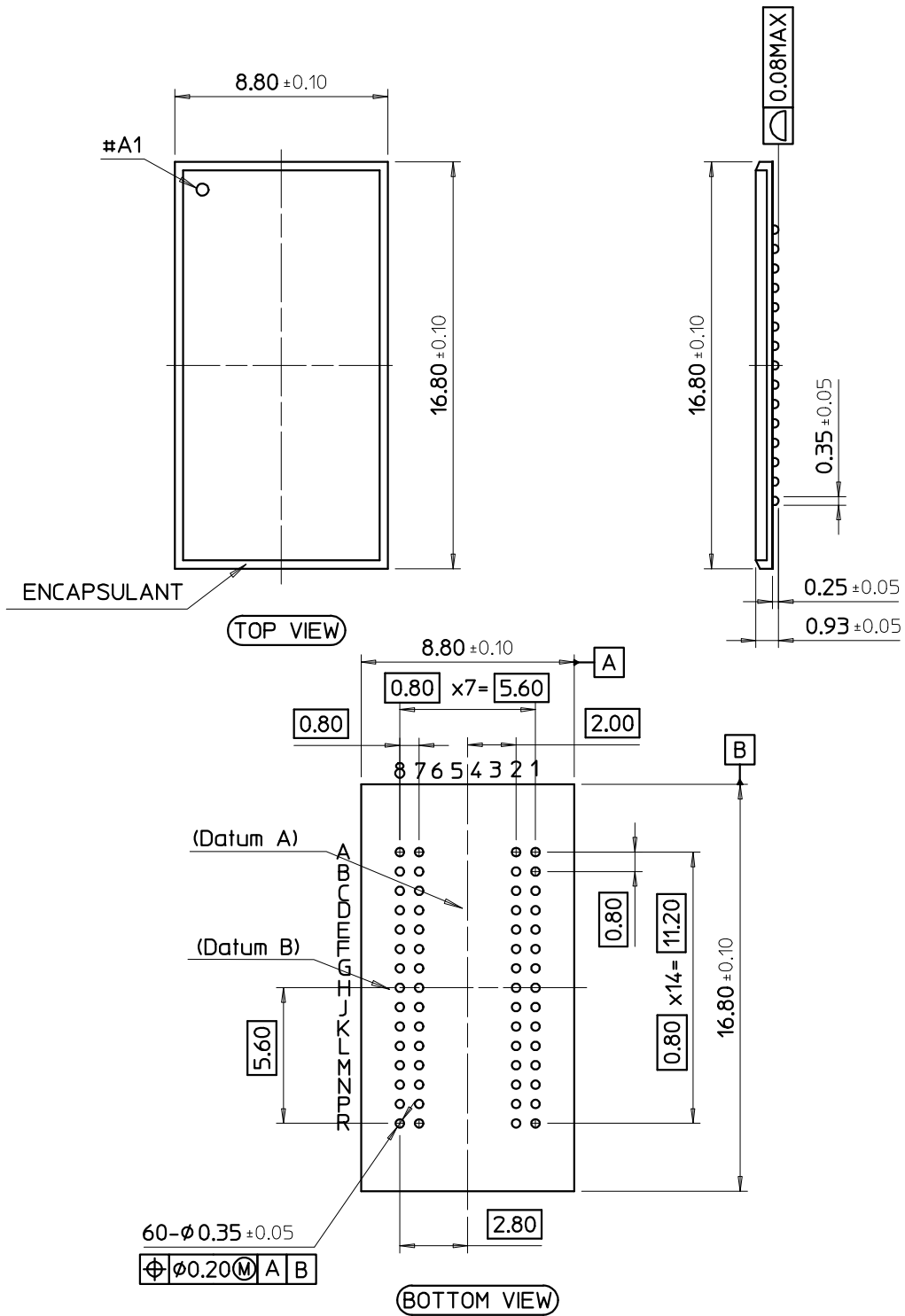
54-uBGA-12.00x11.80

Dimensions in Millimeters



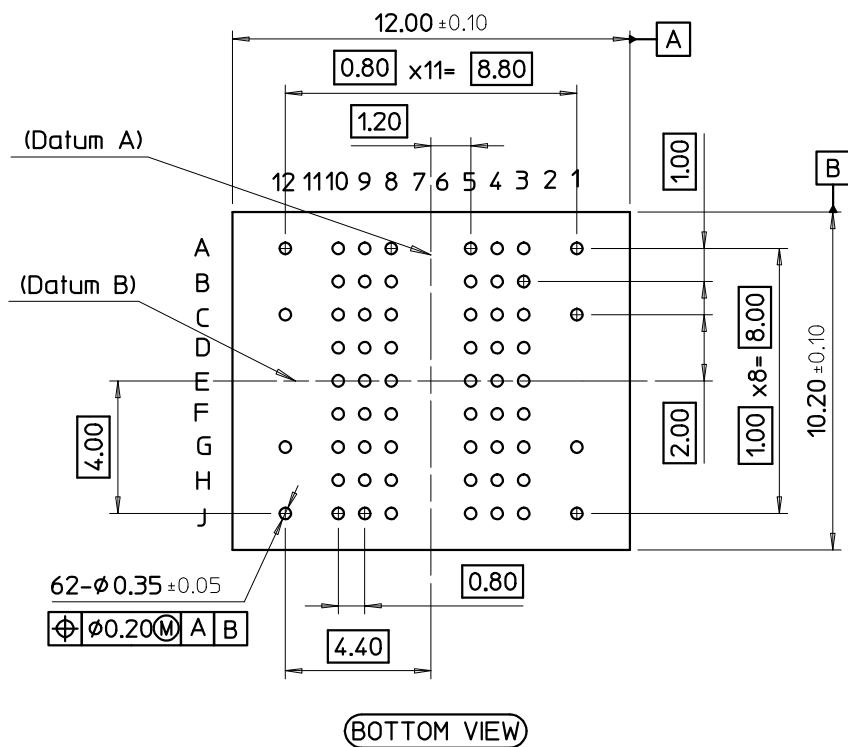
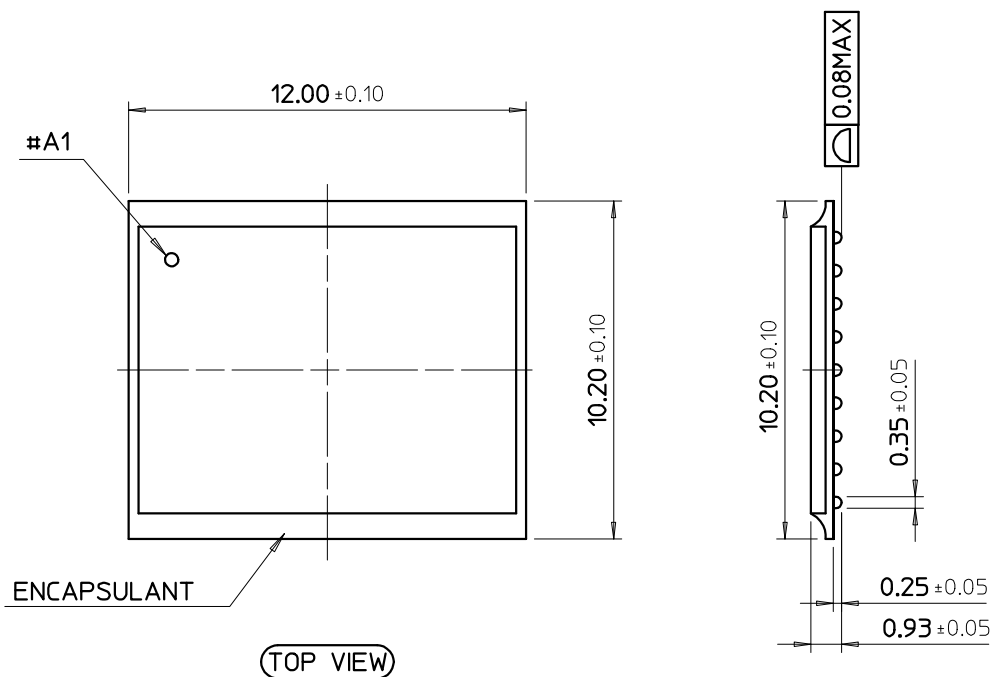
60-uBGA-8.80x16.80

Dimensions in Millimeters



62-uBGA-12.00x10.20-FORWARD

Dimensions in Millimeters



62-uBGA-12.00x10.20-REVERSE

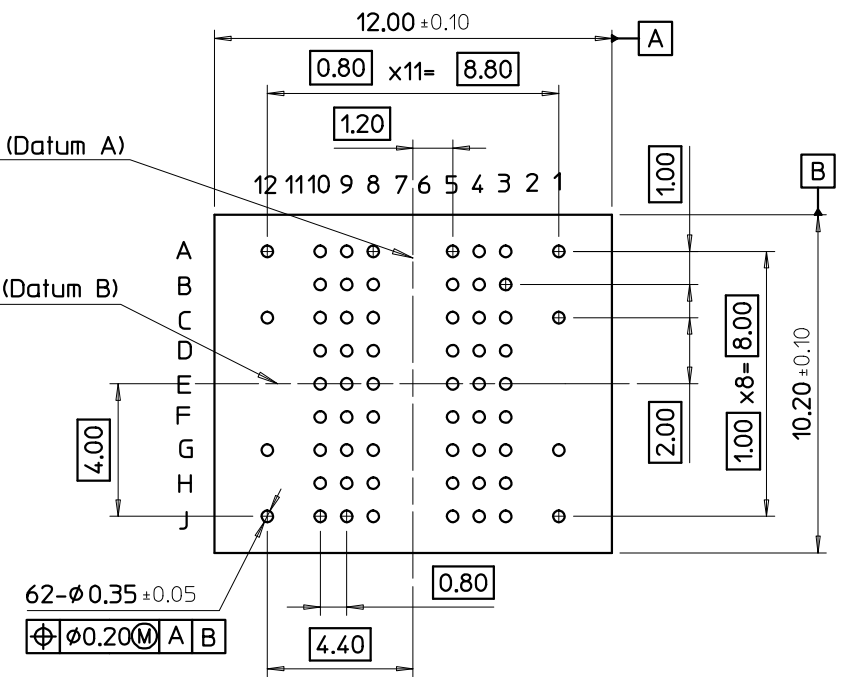
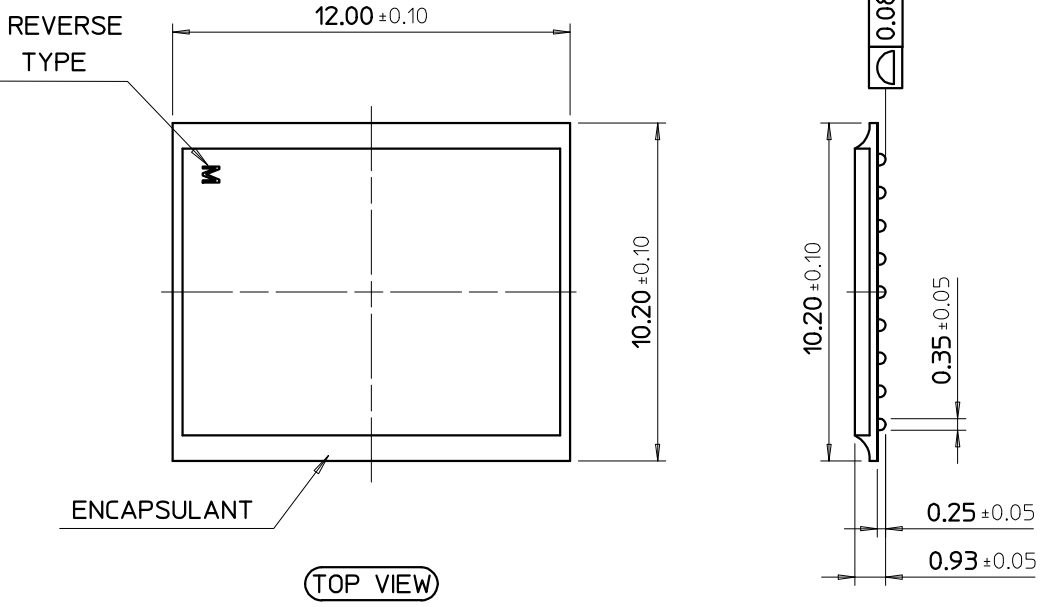
Dimensions in Millimeters

REVERSE TYPE

ENCAPSULANT

TOP VIEW

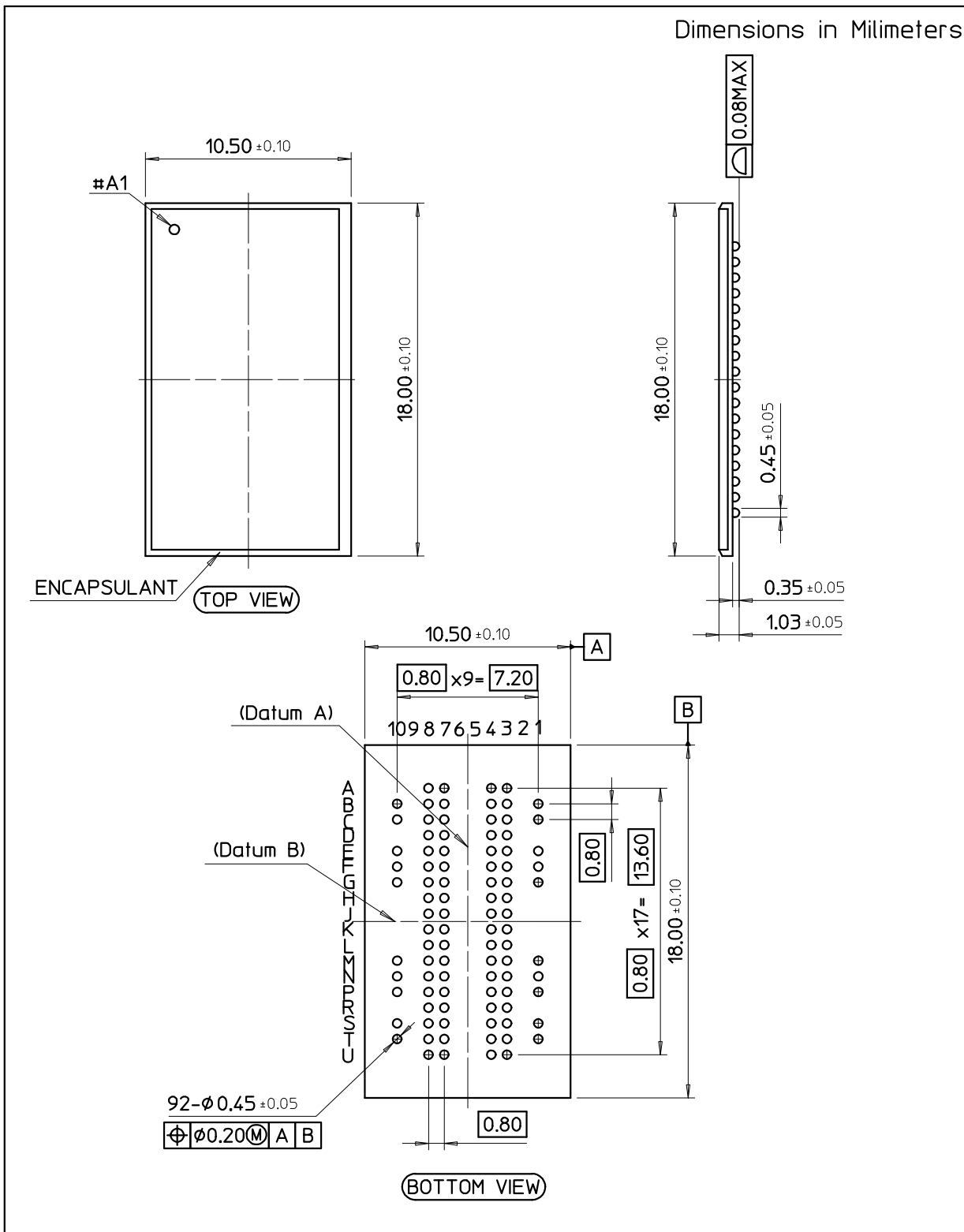
0.08MAX



BOTTOM VIEW

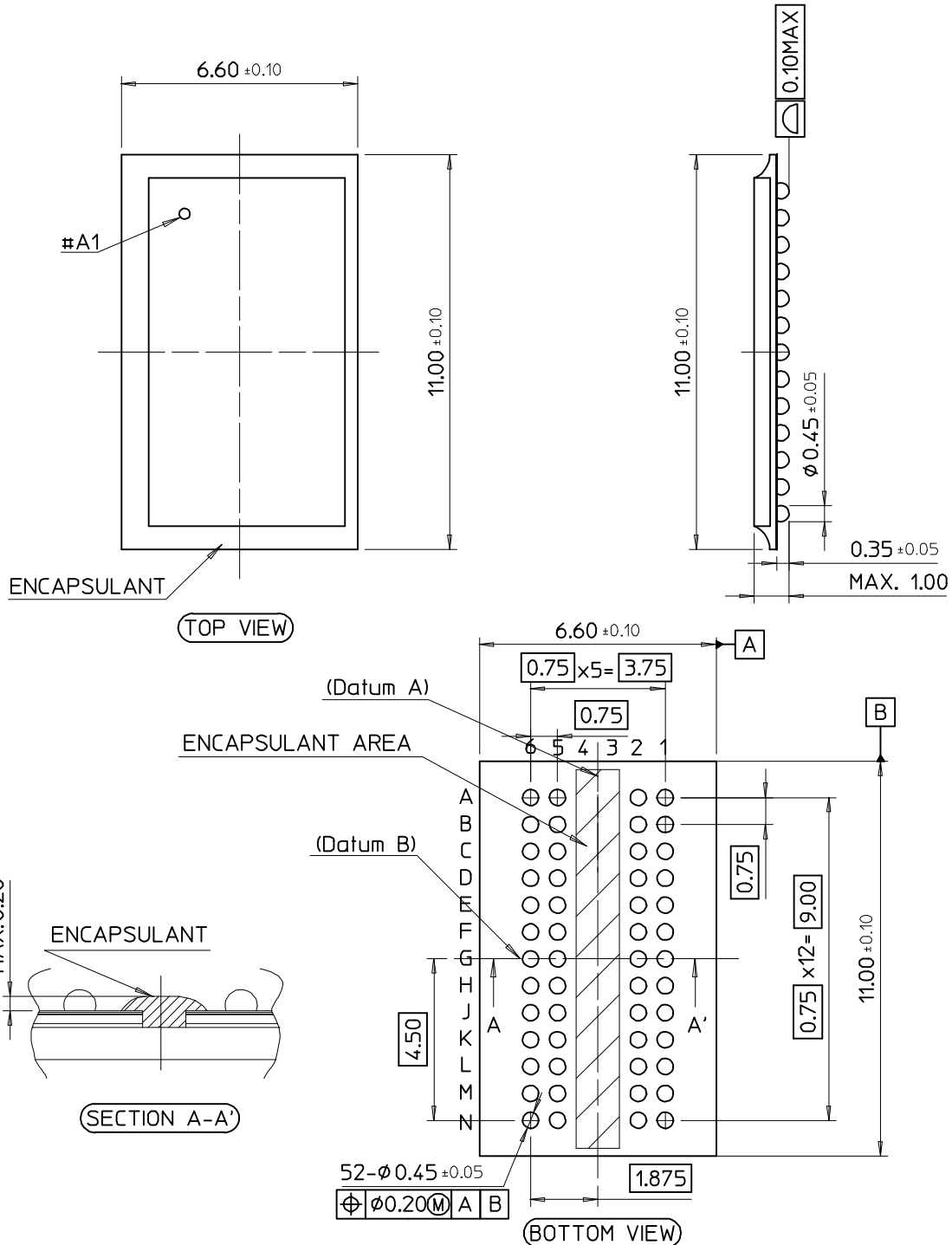
92-uBGA-10.50x18.00

Dimensions in Millimeters



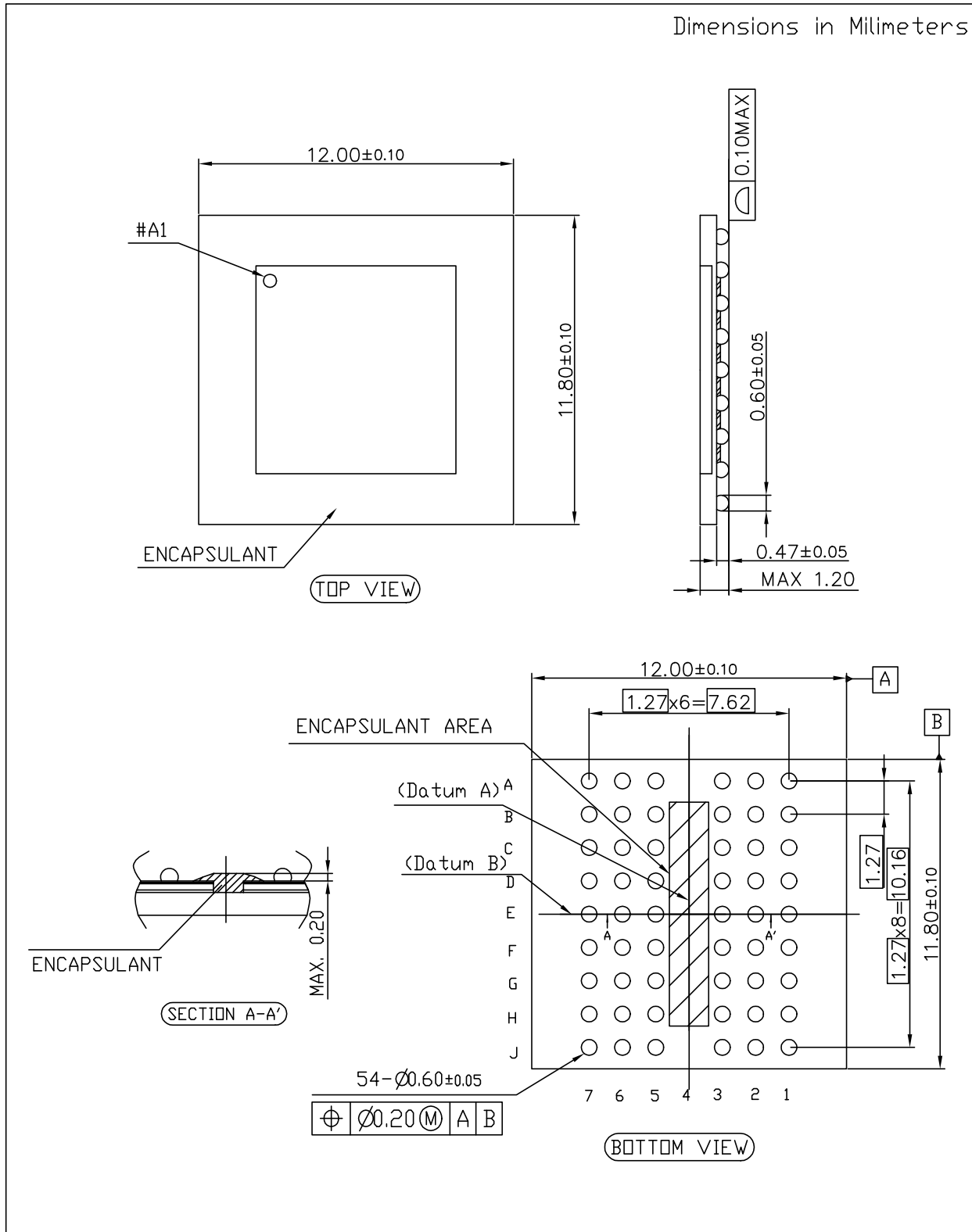
52-WBGA-6.60x11.00

Dimensions in Millimeters



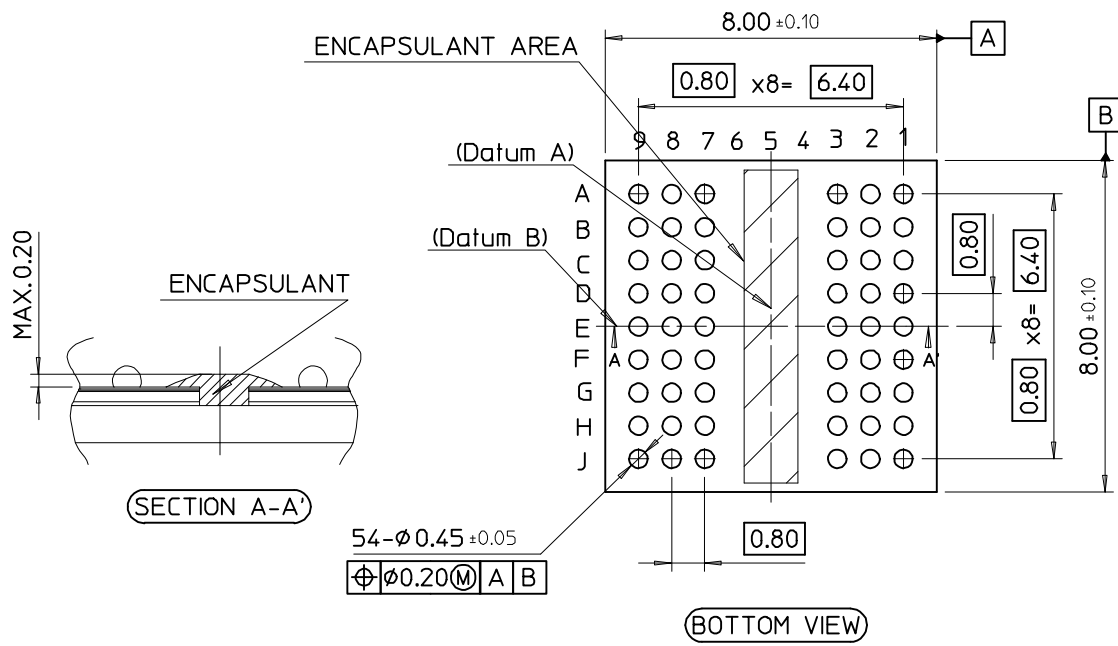
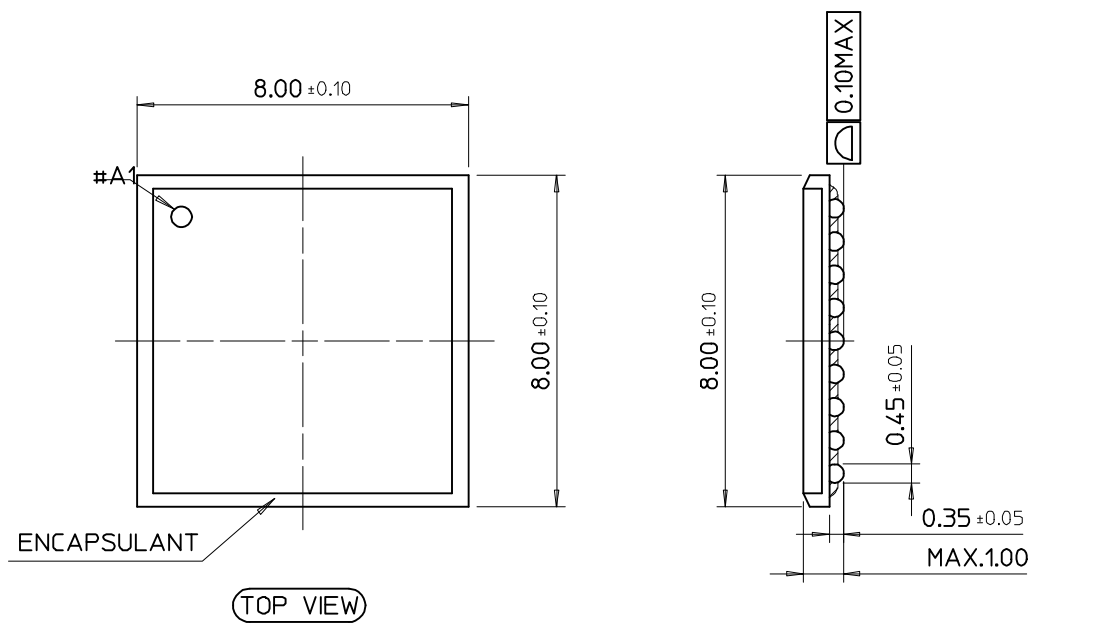
54-WBGA-12.00X11.80

Dimensions in Millimeters



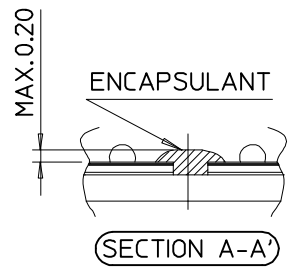
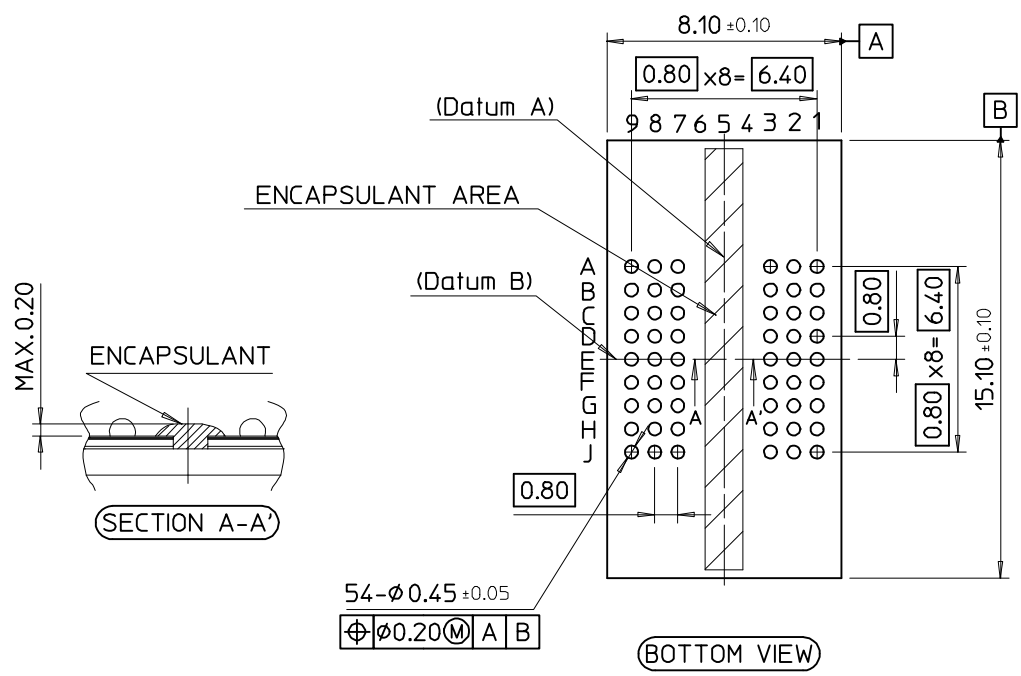
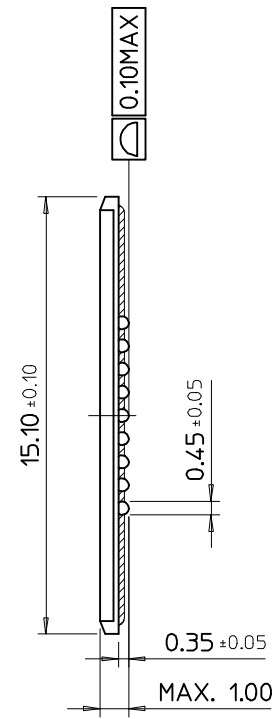
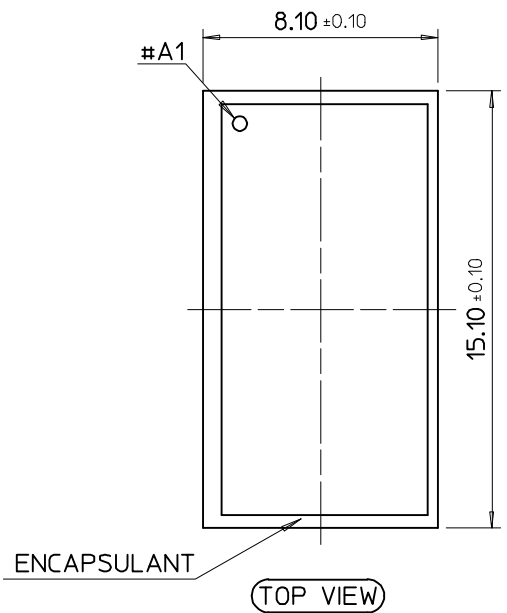
54-WBGA-8.00x8.00

Dimensions in Millimeters



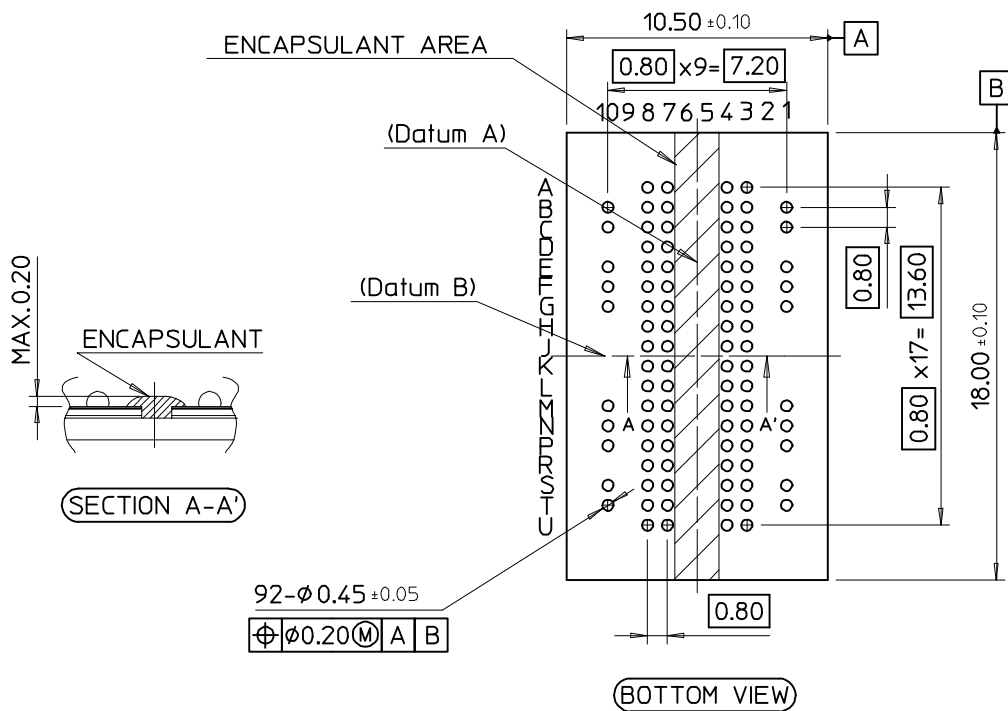
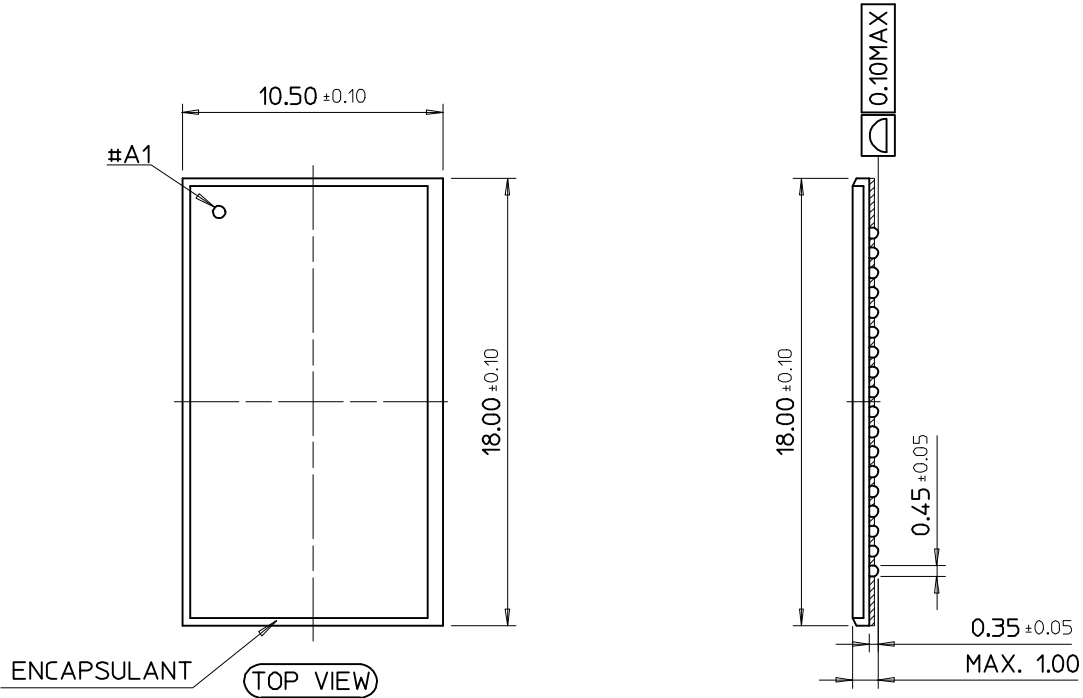
54-WBGA-8.10x15.10

Dimensions in Millimeters



92-WBGA-10.50x18.00

Dimensions in Millimeters



92-WBGA-9.30x15.10

Dimensions in Millimeters

