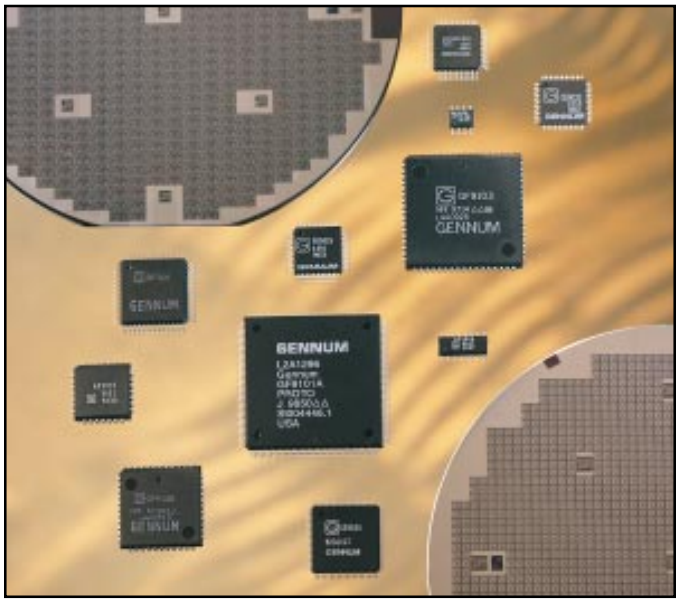
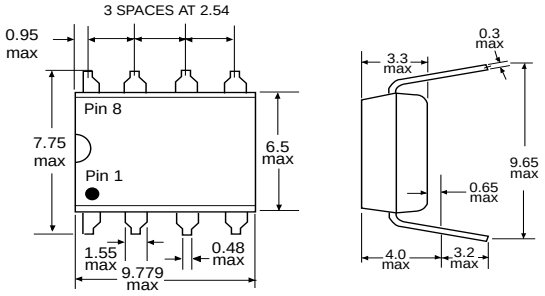
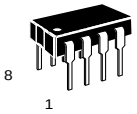
AVAILABLE PACKAGING



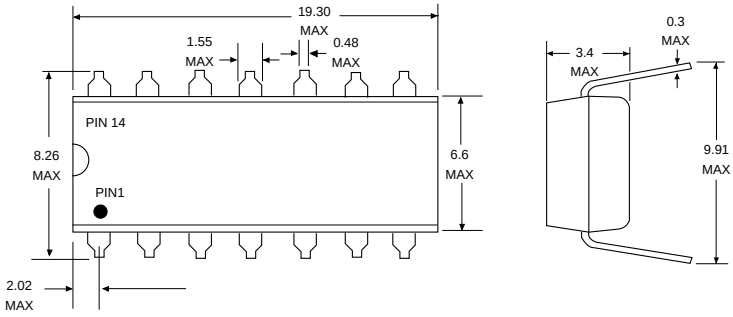
DIP PACKAGES

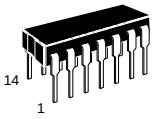
NOTE: All dimensions in millimetres



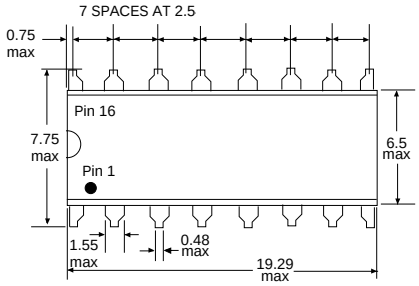


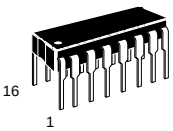
8 pin Molded DIP





14 pin Molded DIP

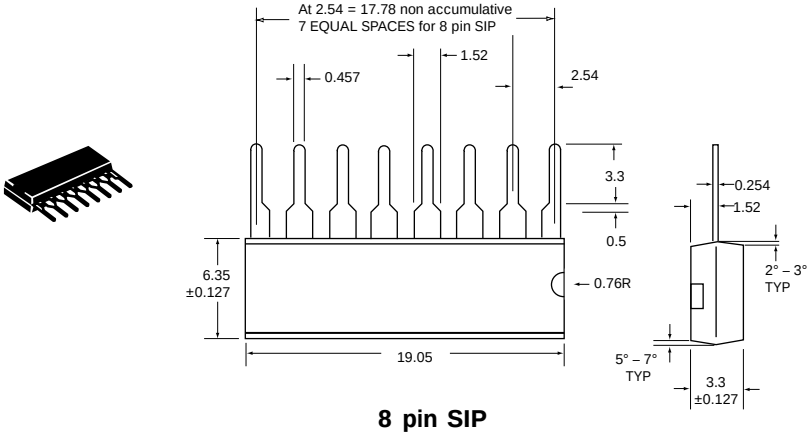




16 pin Molded DIP

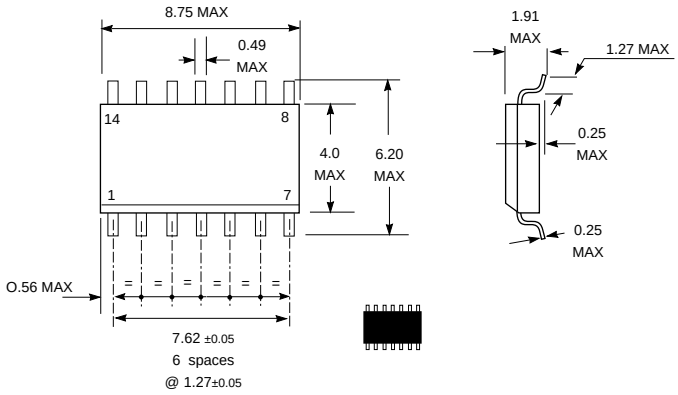
SIP PACKAGES

NOTE: All dimensions in millimetres

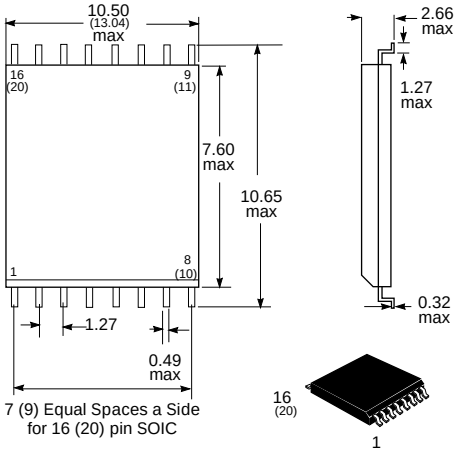


8 pin SIP

SOIC PACKAGES

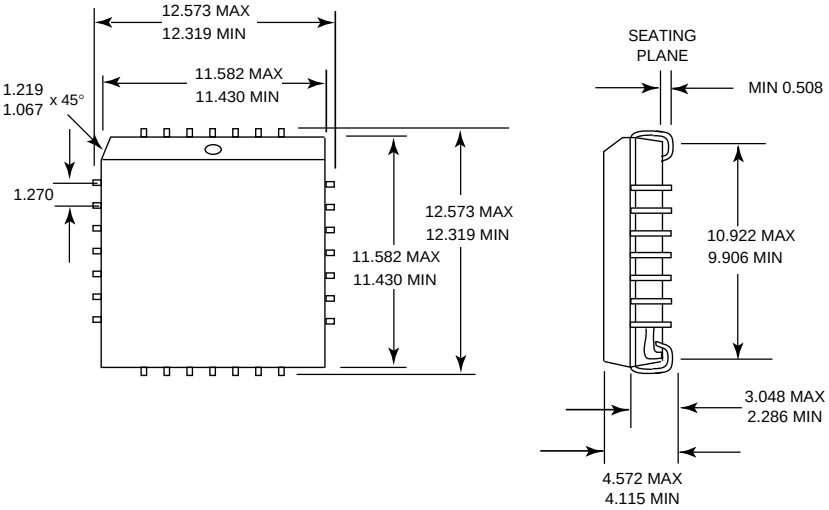


8 / 14 / 16 pin Narrow SOIC



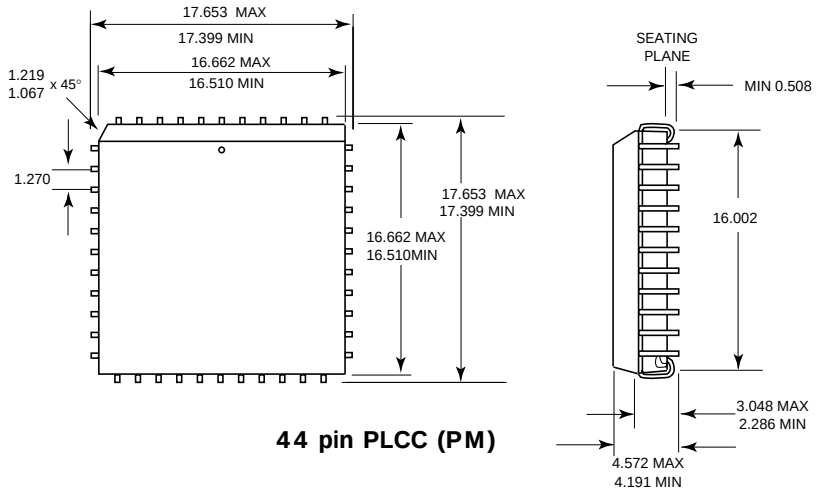
16 and 20 pin Wide SOIC

PLCC PACKAGES

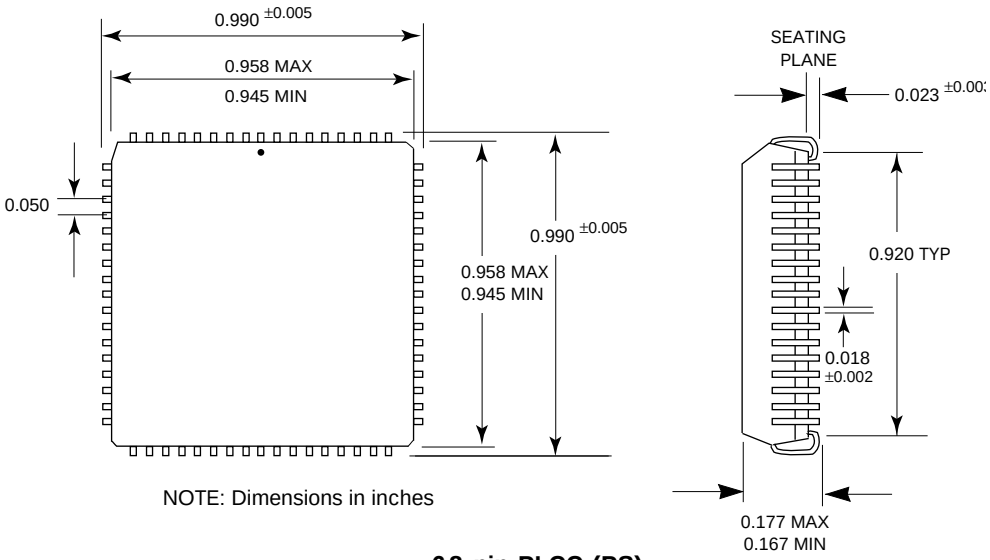


28 pin PLCC (PJ)

NOTE: Dimensions in millimetres



44 pin PLCC (PM)

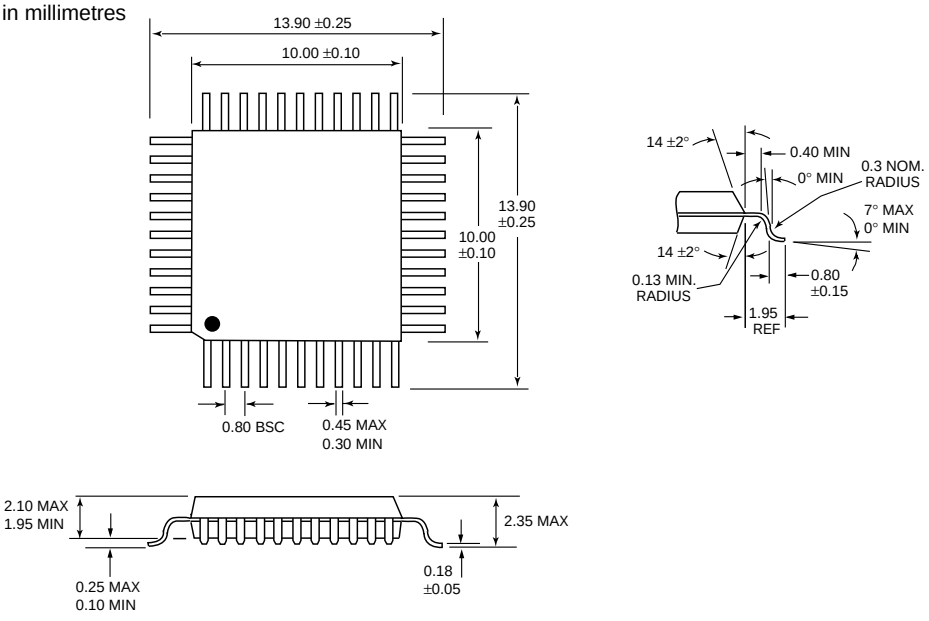


NOTE: Dimensions in inches

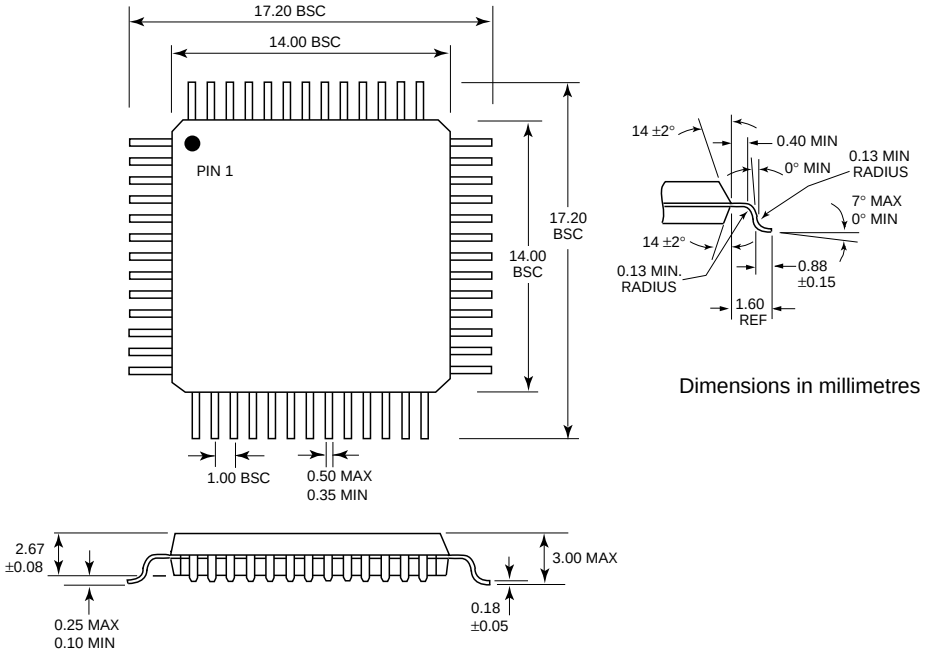
68 pin PLCC (PS)

QFP PACKAGES

NOTE: Dimensions in millimetres

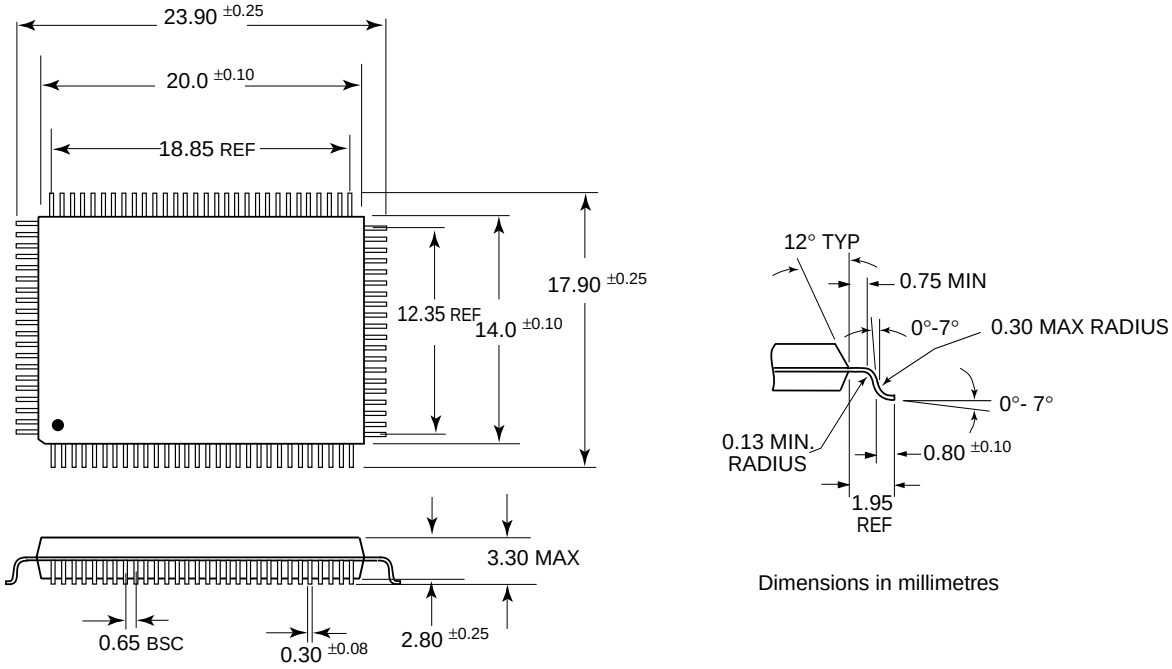


44 pin MQFP (QM)



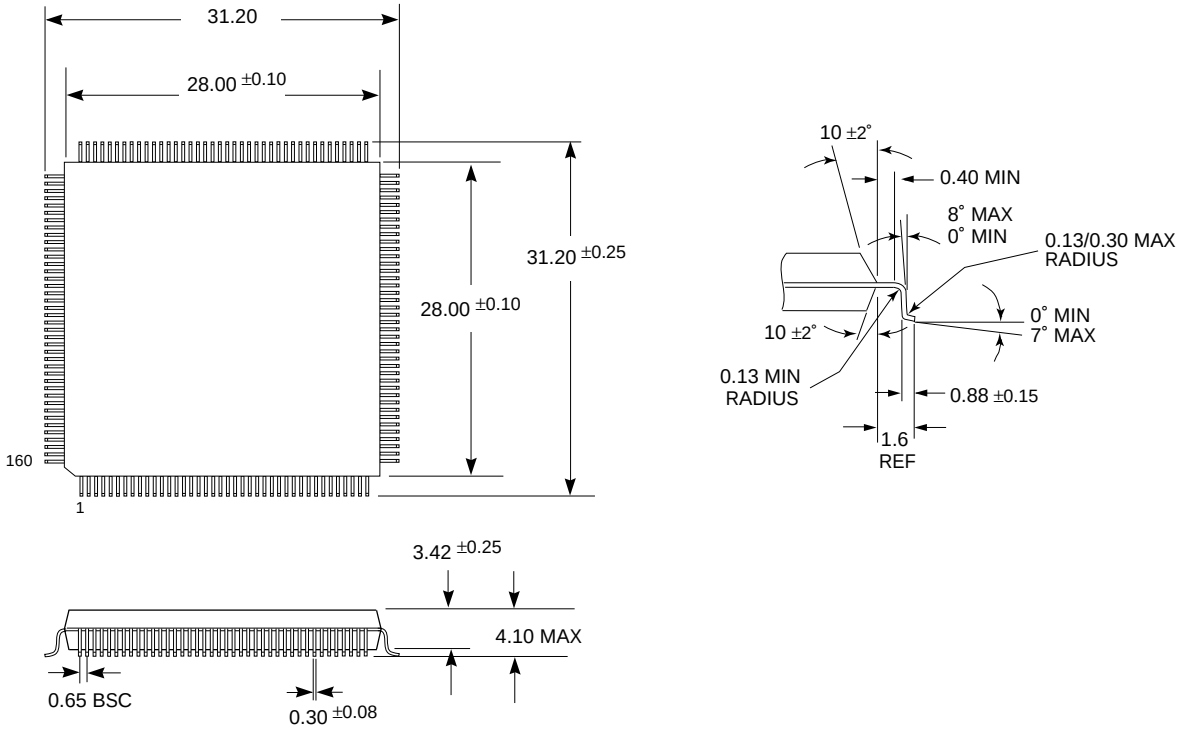
Dimensions in millimetres

52 pin MQFP (QT)

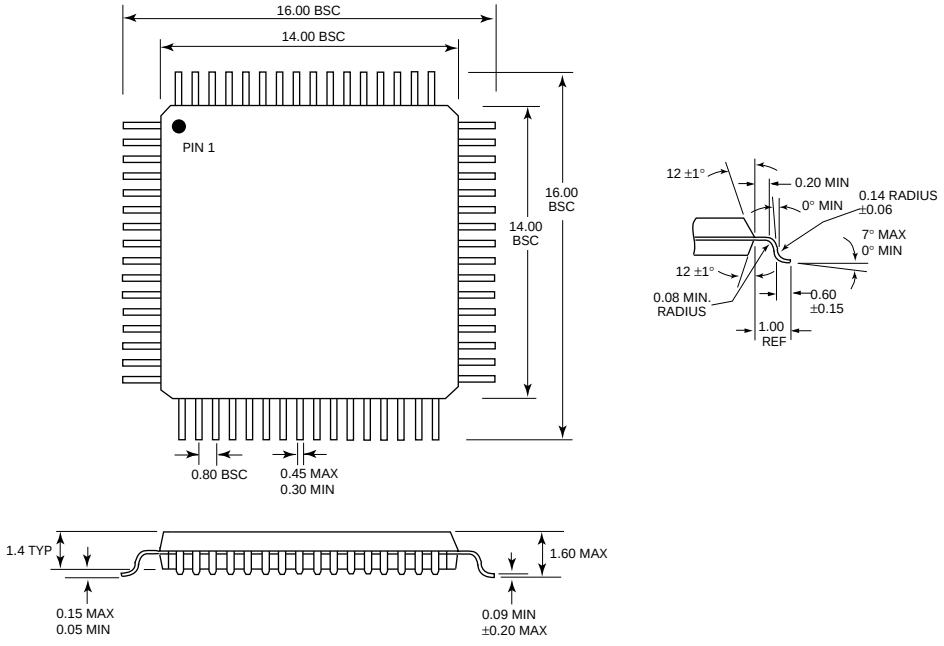


Dimensions in millimetres

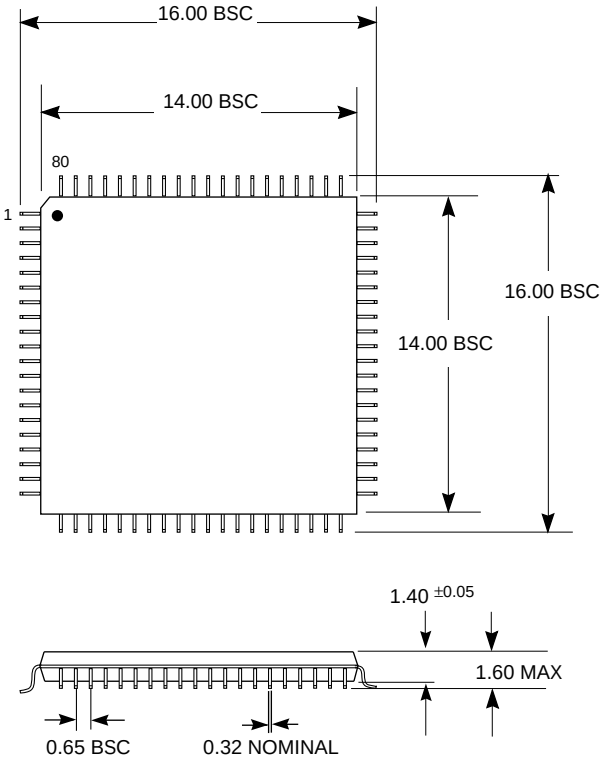
100 pin MQFP (QY)

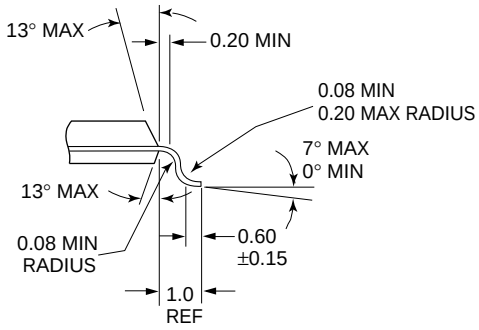


160 pin MQFP (QQ)



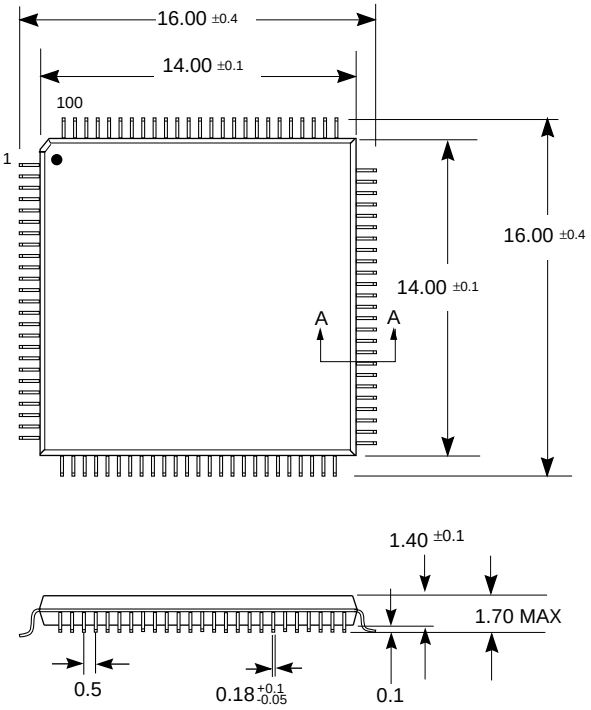
64 pin LQFP (FU)

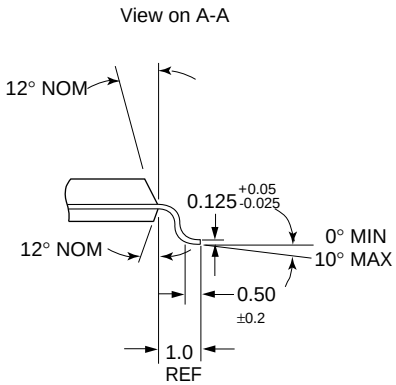




Dimensions in millimetres

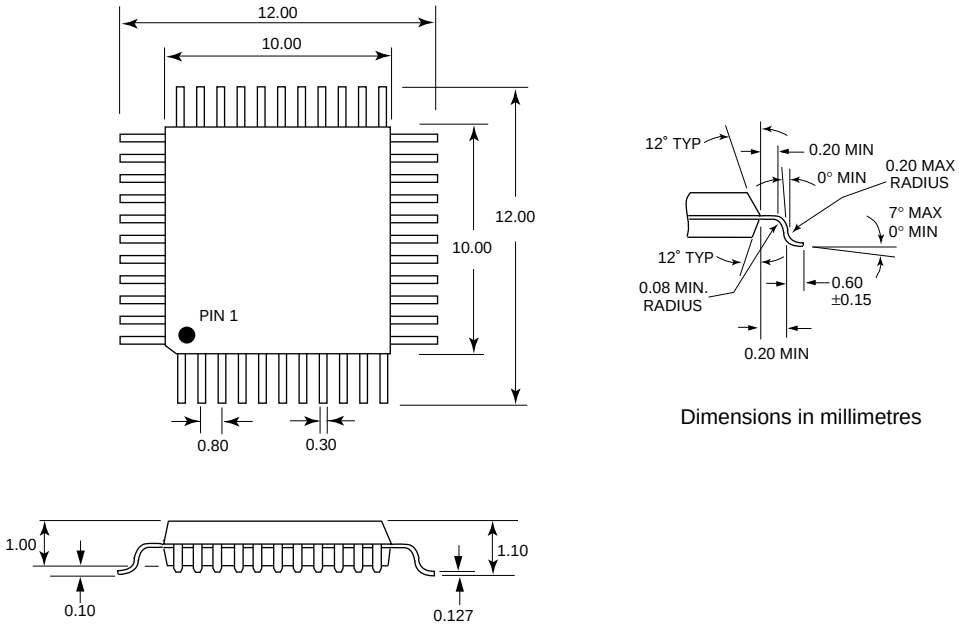
80 pin LQFP (FV)





Dimensions in millimetres

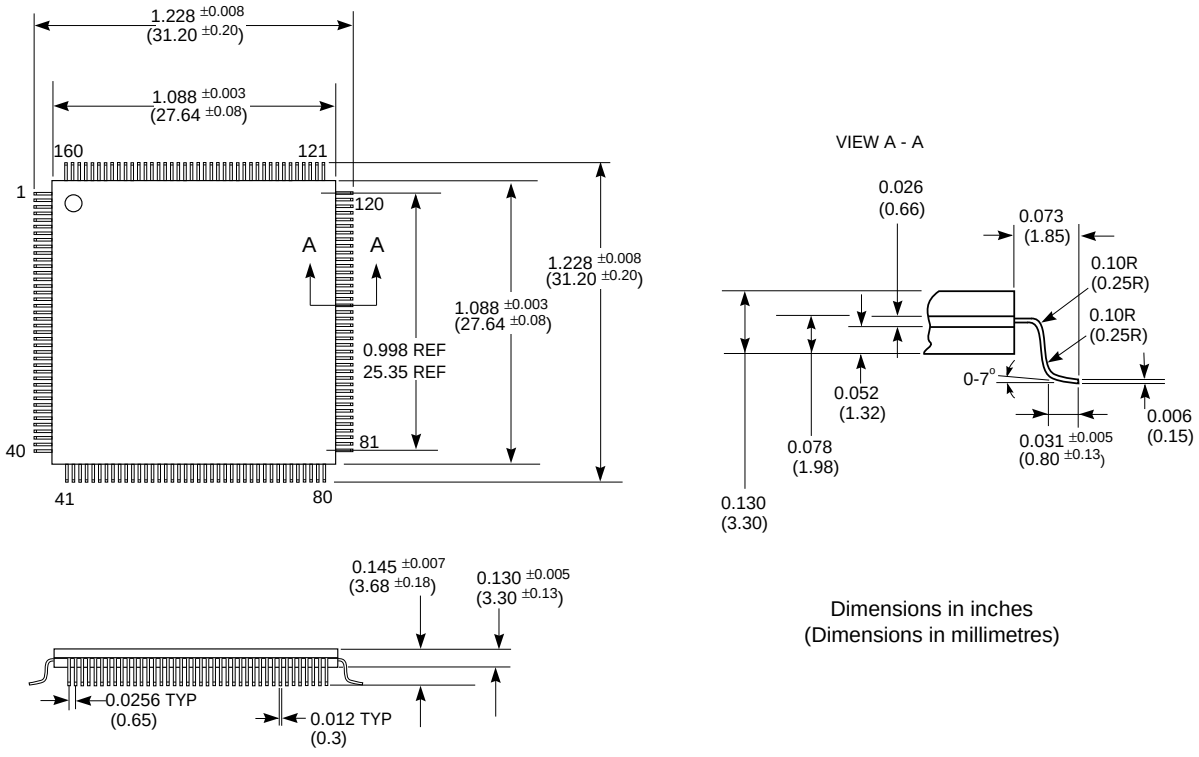
100 pin LQFP (FY)



Dimensions in millimetres

44 pin TQFP (VM)

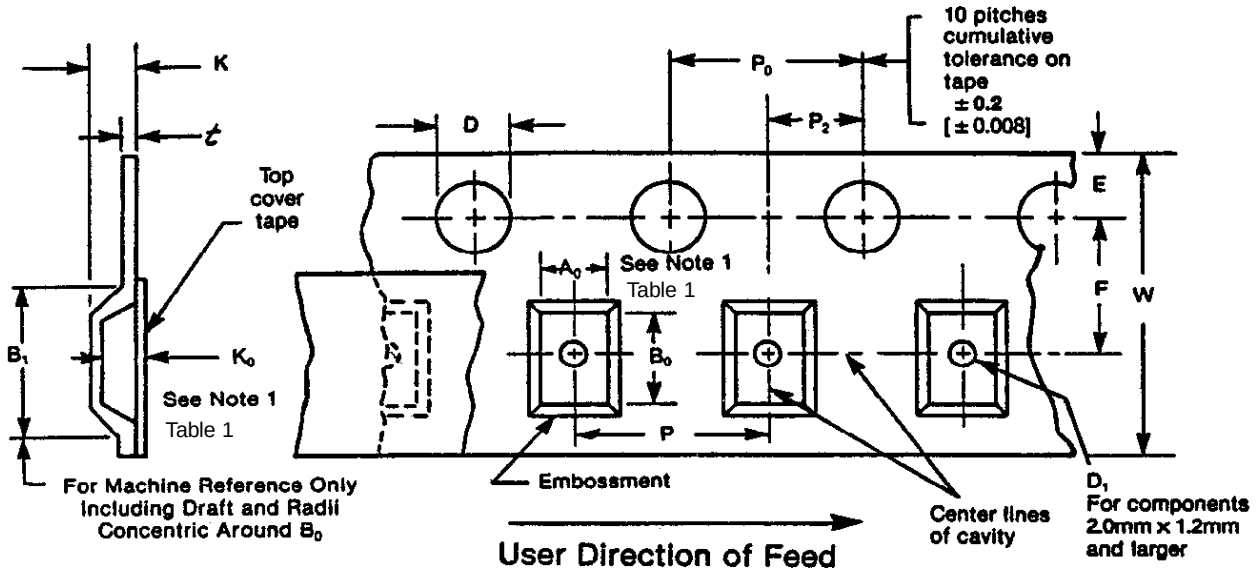
Metal Quad Packages

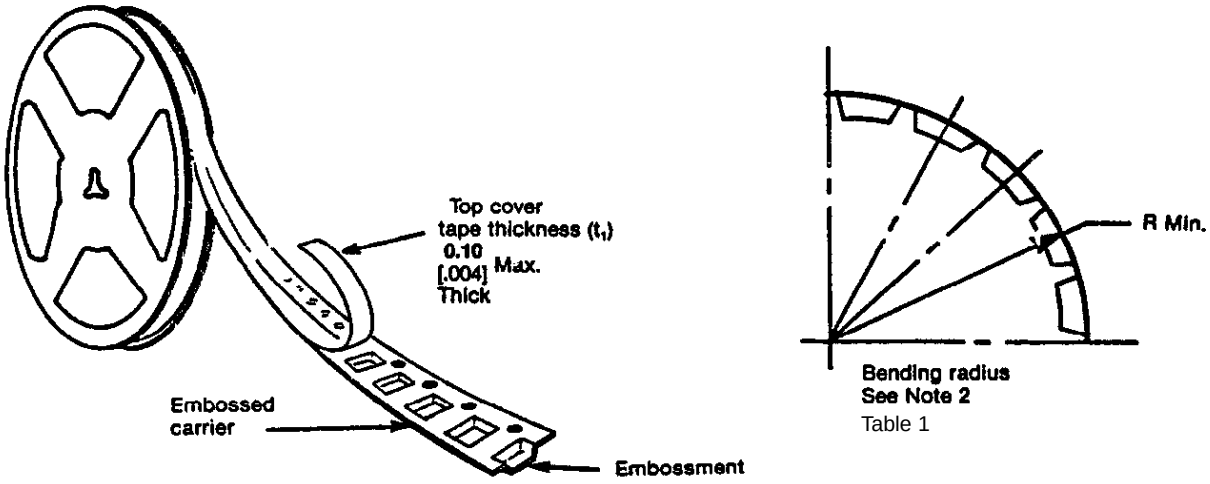


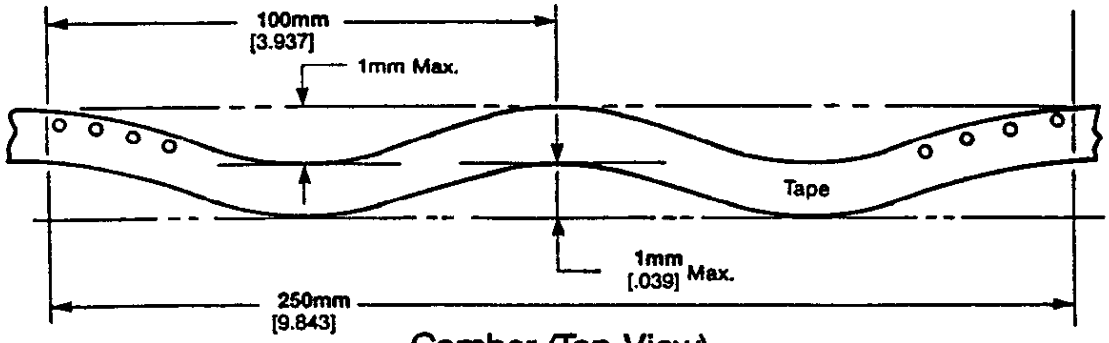
Dimensions in inches
(Dimensions in millimetres)

160 pin Metal Quad (MQ)

EMBOSSED CARRIER DIMENSIONS







Camber (Top View)

Allowable camber to be 1mm/100mm nonaccumulative over 250mm

Table 1. 8, 12, 16, and 24 mm Embossed Tape

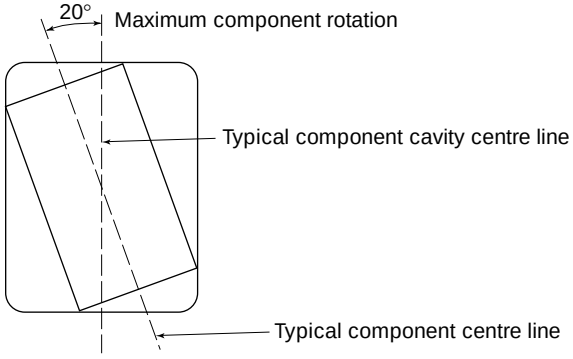
Tape Size	D	E	P_0	t (Max.)	A_0 B_0 K_0				Constant Dimensions
8, 12, 16, 24 mm	$1.5^{+0.10}_{-0.0}$ ($0.059^{+0.004}_{0.0}$)	1.75±0.10 (0.069±0.004)	4.0±0.10 (0.157±0.004)	0.400 (0.016)	See Note 1 Table 1				

Tape Size	B_1 Max.	D_1 Min,	F	K Max.	P_2	R Min.	W		
8 mm	4.2 (0.165)	1.0 (0.039)	3.5±0.05 (0.138±0.002)	2.4 (0.094)	2.0± 0.05	25 (0.984)	8.0± 0.30 (0.315±0.012)		
12 mm	8.2 (0.323)		5.5±0.05 (0.217±0.002)	4.5 (0.177)		30 (1.181)	12.0± 0.30 (0.47±0.012)		
16 mm	12.1 (0.476)	1.5 (0.059)	7.5±0.10 (0.295±0.004)	6.5 (0.256)	2.0±0.10 (0.079±0.004)	40 (1.575)	16± 0.30 (0.630±0.012)		
24 mm	20.1 (0.791)		11.5±0.10 (0.453±0.004)			50 24 ± 0.30 (1.969)	(0.945±0.012)		

Tape Size	P					
	4.0±0.10 (0.157±0.004)	8.0±0.10 (0.315±0.004)	12.0±0.10 (0.472±0.004)	16±0.10 (0.630±0.004)	20±0.10 (0.787±0.004)	24±0.10 (0.945±0.004)
8 mm	x					
12 mm	x	x				
16 mm	x	x	x			
24 mm			x	x	x	x

Notes: 1. A_0 B_0 K_0 are determined by component size. The clearance between the component and the cavity must be within 0.05 (0.002) min. to 0.50 (0.020) max. for 8mm tape, 0.05 (0.002) min. to 0.65 (0.026) max. for 12mm tape, 0.05 (0.002) min. to 0.90 (0.035) max. for 16mm tape, 0.05 (0.002) min. to 1.00 (0.039) max. for 24mm tape and larger. The component cannot rotate more than 20° within the determined cavity, see sketch “A “below.

2. Tape and components shall pass around radius “R” without damage.



SKETCH “A”