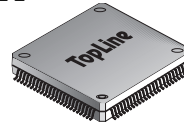


RECTANGULAR BODY



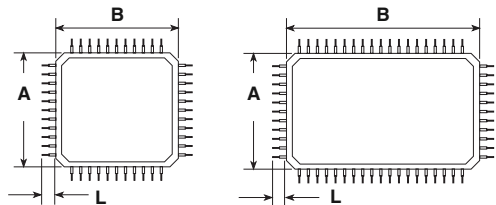
SQUARE BODY

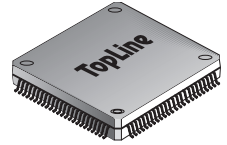


DUMMY COMPONENT ORDERING INFORMATION

NBR LEADS	2xL FOOTPRINT ADDER		LEAD PITCH		Tray Part Number XQ1	QTY	7" (180mm) Tape & Reel Part Number XM1		QTY	13" (330mm) Tape & Reel Part Number XQ1		QTY
	MM	MILS	MM	MM			QTY	QTY				
10MM SQUARE BODY												
44	3.2mm	31.5	0.8	QFP44T30-3.2	96	QFP44E7A30-3.2	50	QFP44E13A30-3.2	750			
44	3.9mm	31.5	0.8	QFP44T30-3.9	96	QFP44E7A30-3.9	50	QFP44E13A30-3.9	750			
52	3.2mm	25.6	0.65	QFP52T25-3.2	96	-	-	QFP52E13A25-3.2	750			
52	3.9mm	25.6	0.65	QFP52T25-3.9	96	-	-	QFP52E13A25-3.9	750			
64	3.2mm	19.7	0.5	QFP64T19.7-3.2	96	-	-	-	-			
14MM SQUARE BODY												
44	3.2mm	40	1.0	QFP44T40-3.2	84	-	-	QFP44E13A40-3.2	500			
52	3.2mm	40	1.0	QFP52T40-3.2	84	-	-	QFP52E13A40-3.2	500			
64	3.2mm	31.5	0.8	QFP64T30-3.2-2.0H	84	-	-	QFP64E13A30-3.2-2.0H	500			
64	3.2mm	31.5	0.8	QFP64T30-3.2-2.7H	84	-	-	QFP64E13A30-3.2-2.7H	500			
80	3.2mm	25.6	0.65	QFP80T25-3.2-2.0H	84	-	-	QFP80E13A25-3.2-2.0H	500			
80	3.2mm	25.6	0.65	QFP80T25-3.2-2.7H	84	-	-	QFP80E13A25-3.2-2.7H	500			
100	2.0mm	19.7	0.5	SQFP100T19.7-2.0	50	-	-	-	-			
14MM x 20MM RECTANGULAR BODY												
64	3.2mm	40	1.0	QFP64T40-3.2	60	QFP64E7A40-3.2	-	QFP64E13A40-3.2	200			
64	3.9mm	40	1.0	QFP64T40-3.9	66	QFP64E7A40-3.9	50	QFP64E13A40-3.9	200			
80	3.9mm	31.5	0.8	QFP80T30-3.9	66	QFP80E7A30-3.9	50	QFP80E13A30-3.9	200			
100	3.2mm	25.6	0.65	QFP100T25-3.2	66	QFP100E7A25-3.2	50	QFP100E13A25-3.2	200			
100	3.9mm	25.6	0.65	QFP100T25-3.9	66	QFP100E7A25-3.9	50	QFP100E13A25-3.9	200			
100	5.6mm	25.6	0.65	QFP100T25-5.6	60	-	-	-	-			
128	3.2mm	19.7	0.5	QFP128T19.7-3.2	66	-	-	-	-			

BODY SIZE	TYPICAL THICKNESS	TAPE INFO	
		WIDTH	PITCH
10mm Sq.	2.0mm	24mm	16/24mm
14mm Sq.	2.0mm	32mm	24mm
14mm Sq.	2.7mm	32mm	24mm
14 x 20mm	2.7mm	44mm	32mm
28mm Sq.	3.6mm	44mm	40mm
32mm Sq.	3.8mm	56mm	44mm
40mm Sq.	3.8mm	-	-

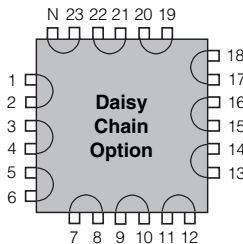




DUMMY COMPONENT ORDERING INFORMATION

NBR LEADS	2xL FOOTPRINT ADDER		LEAD PITCH		Tray Part Number QTY	7" (180mm) Tape & Reel Part Number QTY		13" (330mm) Tape & Reel Part Number QTY		
	MM	MILS	MM	MILS		XM1	QTY	XM1	QTY	
28MM SQUARE BODY										
120	3.2mm	31.5	0.8		QFP120T30-3.2	24	-	-	QFP120E13A30-3.2	200
120	3.9mm	31.5	0.8		QFP120T30-3.9	24	QFP120E7A30-3.9	50	QFP120E13A30-3.9	200
128	3.2mm	31.5	0.8		QFP128T30-3.2	24	-	-	QFP128E13A30-3.2	200
128	3.9mm	31.5	0.8		QFP128T30-3.9	24	-	-	QFP128E13A30-3.9	200
136	3.2mm	25.6	0.65		QFP136T25-3.2	24	-	-	QFP136E13A30-3.2	200
144	2.6mm	25.6	0.65		QFP144T25-2.6	24	-	-	QFP144E13A25-2.6	200
144	3.2mm	25.6	0.65		QFP144T25-3.2	24	QFP144E7A25-3.2	50	QFP144E13A25-3.2	200
144	3.9mm	25.6	0.65		QFP144T25-3.9	24	-	-	QFP144E13A25-3.9	200
160	2.6mm	25.6	0.65		QFP160T25-2.6	24	-	-	QFP160E13A25-2.6	200
160	3.2mm	25.6	0.65		QFP160T25-3.2	24	QFP160E7A25-3.2	50	QFP160E13A25-3.2	200
160	3.9mm	25.6	0.65		QFP160T25-3.9	24	QFP160E7A25-3.9	50	QFP160E13A25-3.9	200
184	2.6mm	19.7	0.5		QFP184T19.7-2.6	24	-	-	QFP184E13A19.7-2.6	200
208	2.6mm	19.7	0.5		QFP208T19.7-2.6	24	QFP208E7A19.7-2.6	50	QFP208E13A19.7-2.6	200
256	2.6mm	15.7	0.4		QFP256T15.7-2.6	24	QFP256E7A15.7-2.6	50	QFP256E13A15.7-2.6	200
32MM SQUARE BODY										
240	2.6mm	19.7	0.5		QFP240T19.7-2.6	24	-	-	QFP240E13A19.7-2.6	200
40MM SQUARE BODY										
304	2.6mm	19.7	0.5		QFP304T19.7-2.6	12	-	-	-	-

Daisy Chain
available on special order
Add -DE to end of part number
See page 35



PART NUMBER	
Options	Suffix
Standard	Blank
Daisy Chain	-DE
Isolated	-ISO
Lead Free	-TIN (Sn100)

I TopLine supplies a wide assortment of Quad Flat Packs in metric packages. Add 2 x L foot print to the body size for total
N tip-to-tip dimension. Coplanarity guaranteed to 4 mils (0.1mm). Tray quantities may vary. Some QFP contain internal
F die. For completely isolated (no internal connections) add -ISO to end of part number. Standard plating Sn85/Pb15.
O

Lead Free option B = Sn/Bi, TIN = Sn100.