

Fine Pitch SMT Board to Board Connectors

Series 5645



Series 5645 is 0.5mm pitch and 1.5mm mated height low-profile board to board connector, designed for high density mounting, especially for a need of low-profile mating.

FEATURES

Pitch is 0.5mm. Mated height is 1.5mm which is a low-profile design. These features contribute to small sized board design.

Low-profile, super compact and offers high reliability.

This product has a metal strain relief which improves board peeling strength when soldered.

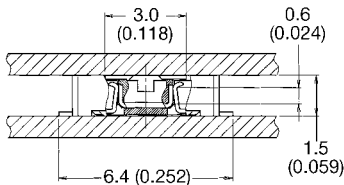
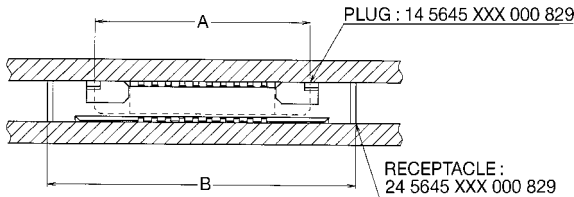
Connector design assists pre mating misalignment. Designed for protecting soldering wicking.

Designed for pick and place mounting. Parts are supplied in tape and reel with 2000 pieces per reel.

Contact sales office for details of other available pin counts.

SPECIFICATIONS

Series	5645
Mated Height	1.5mm
Pitch	0.5mm
Current	0.4A Max
Voltage	50V Max
D.W. Voltage	250V rms/min
Mating Cycles	30



No. of Pos.	Dimension	
	A	B
020	7.9 (0.311)	11.3 (0.445)
030	10.4 (0.409)	13.8 (0.543)
040	12.9 (0.508)	16.3 (0.642)
050	15.4 (0.606)	18.8 (0.740)
060	17.9 (0.705)	21.3 (0.839)
080	22.9 (0.902)	26.3 (1.035)
100	27.9 (1.098)	31.3 (1.232)
120	32.9 (1.295)	36.3 (1.429)
140	37.9 (1.492)	41.3 (1.626)

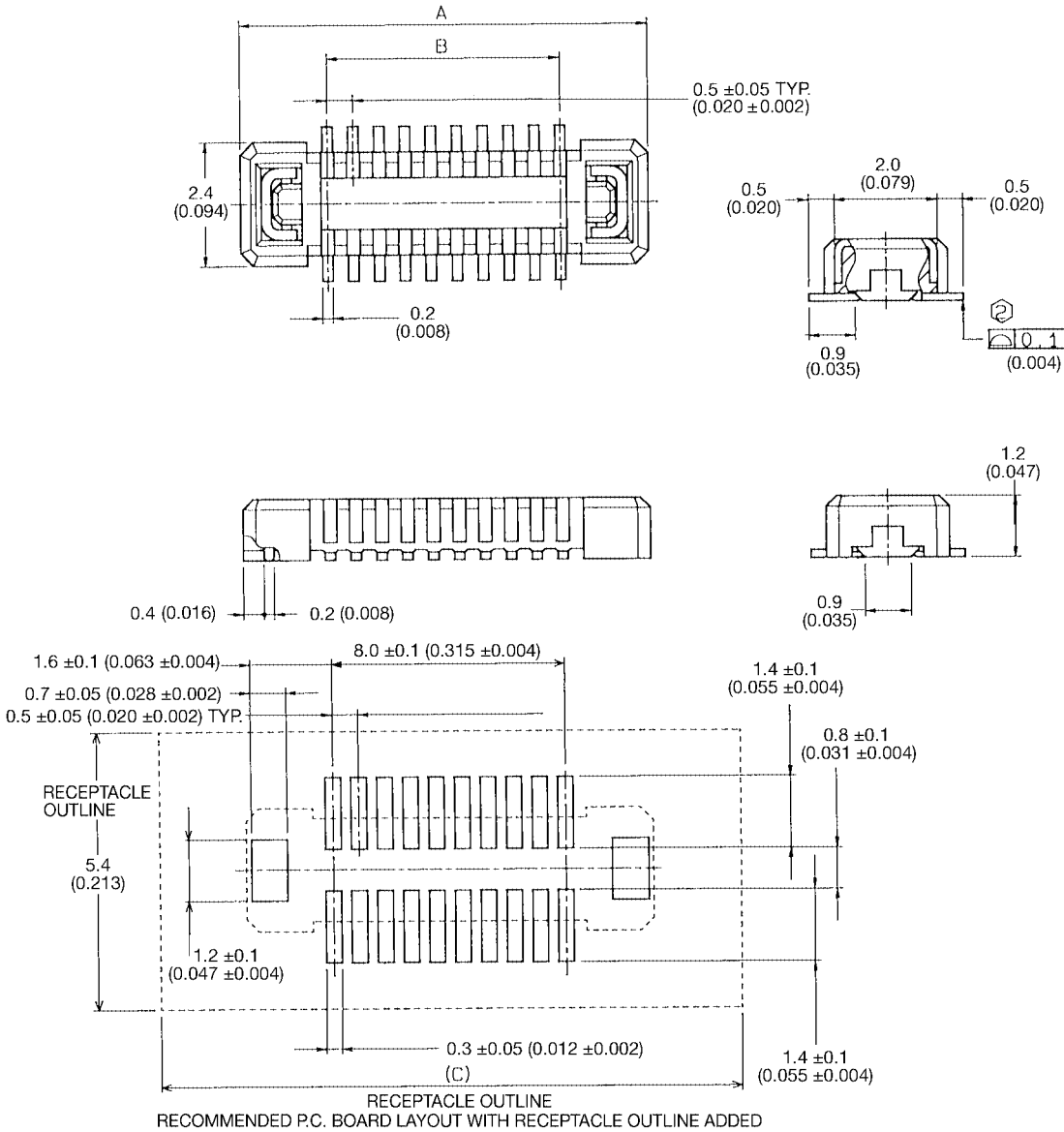
Series	Variation	Mated Height	Gold Plating	Strain Relief	Vacuum Cover	Part Number				Number of Positions									
										020	030	040	050	060	080	100	120	140	
5645	Plug	1.5mm	0.1µm	O	O	14 5645	XXX	X	00	829	O	O		O	O				
	Receptacle		0.1µm	O	1	24 5645	XXX	0	00	829	O	O		O	O				

O = Available
1 = Not available

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Series 5645

Plug for Mated Height with Receptacle of 1.5mm



No. of Pos.	Dimension		
	A	B	C
020	7.9 (0.311)	4.5 (0.177)	8.0 (0.315)
030	10.4 (0.409)	7.0 (0.276)	10.5 (0.413)
040	12.9 (0.508)	9.5 (0.374)	13.0 (0.512)
050	15.4 (0.606)	12.0 (0.472)	18.8 (0.740)
060	17.9 (0.705)	14.5 (0.571)	18.0 (0.709)
080	22.9 (0.902)	19.5 (0.768)	23.0 (0.906)
100	27.9 (1.098)	24.5 (0.965)	28.0 (1.102)
120	32.9 (1.295)	29.5 (1.161)	33.0 (1.299)
140	37.9 (1.492)	34.5 (1.358)	38.0 (1.496)

HOW TO ORDER

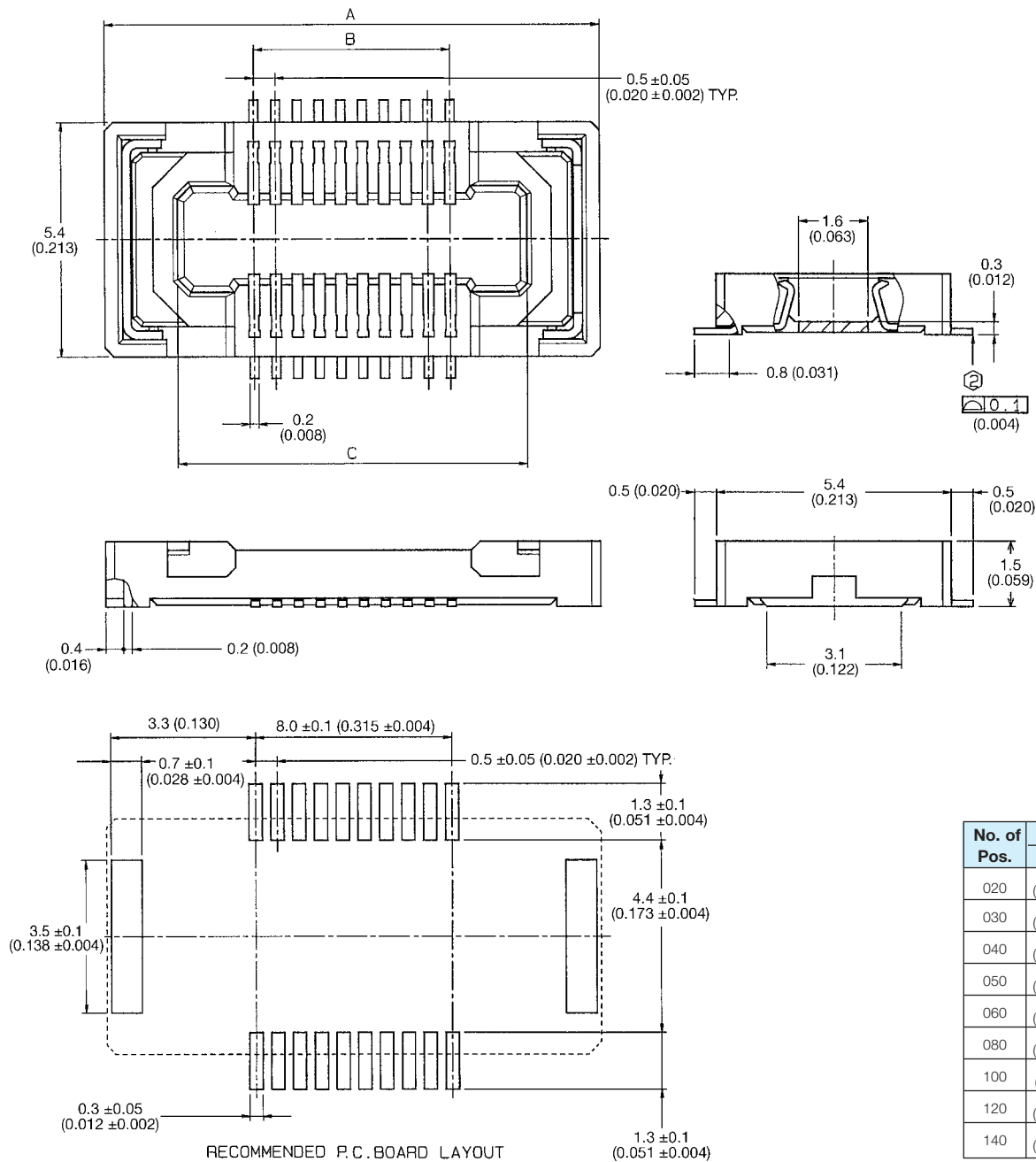
14	5645	XXX	X00	829
Prefix	Series Number	Number of Positions	Variation Code	Finish Code
		020 030 040 050 060 080 100 120 140	0 = Without vacuum cover 1 = With vacuum cover	

Parts are supplied in tape and reel packaging
with 2000 pieces per reel.

Fine Pitch SMT Board to Board Connectors

Series 5645

Receptacle for Mated Height with Plug of 1.5mm



HOW TO ORDER

24

Prefix

5645

Series Number

XXX

Number of Positions

020 030
040 050
060 080
100 120
140

000

Variation Code

829

Finish Code

Parts are supplied in tape and reel packaging with 2000 pieces per reel.

Fine Pitch SMT Board to Board Connectors

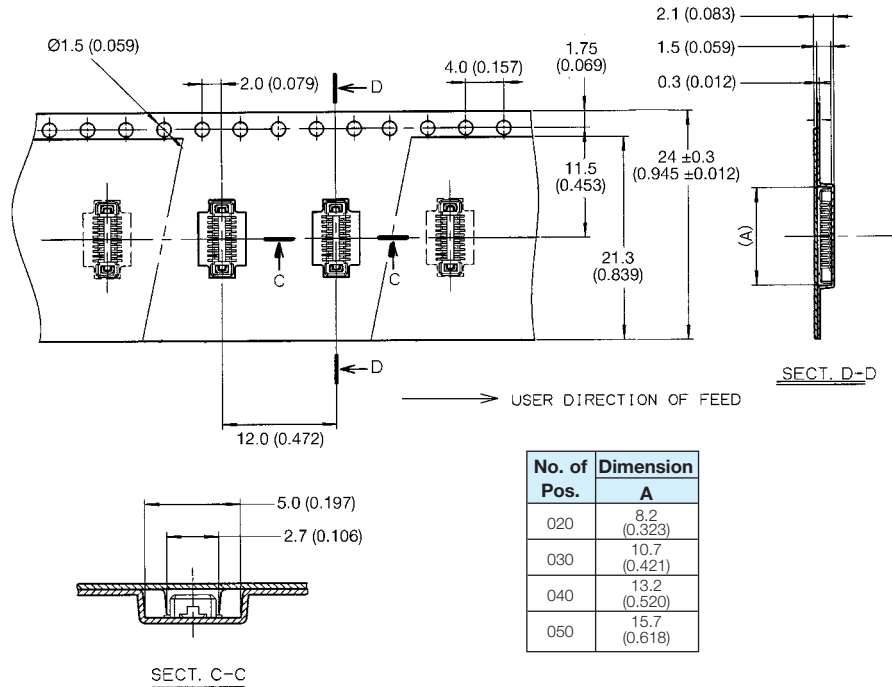
Series 5645

Tape and Reel Package for Mated Height 1.5mm

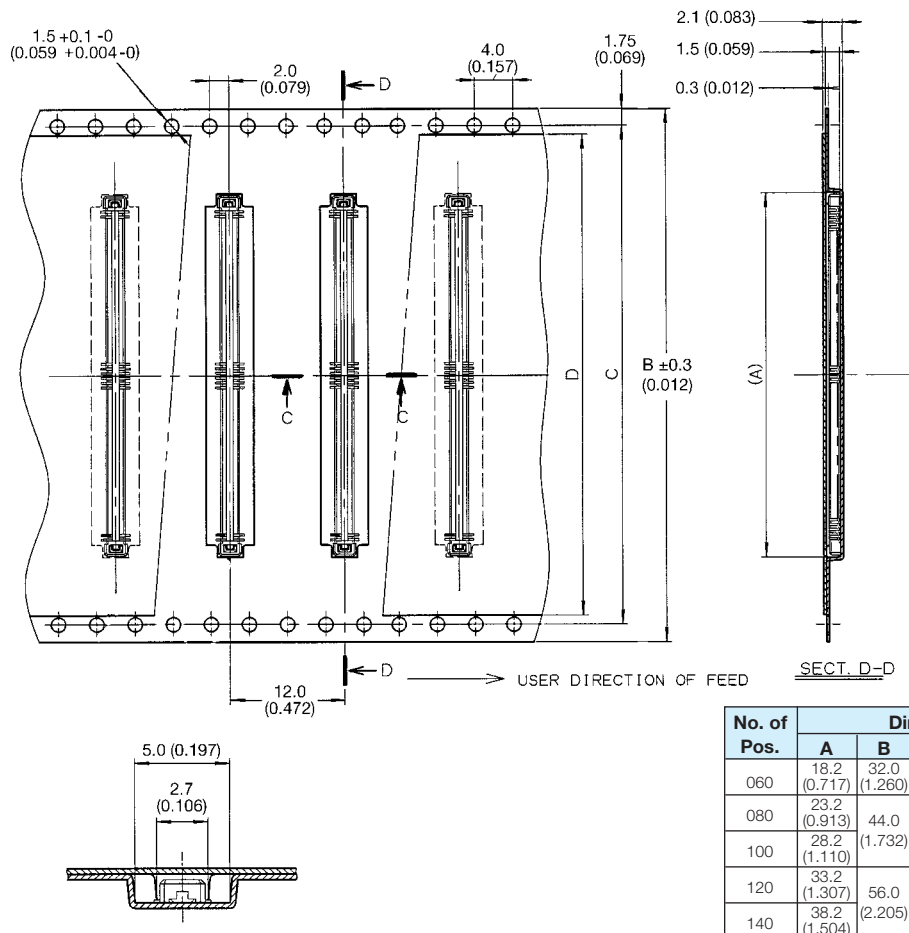


PLUG

20 - 40 Contacts



60 - 140 Contacts



Parts are supplied in tape and reel packaging with 2000 pieces per reel.

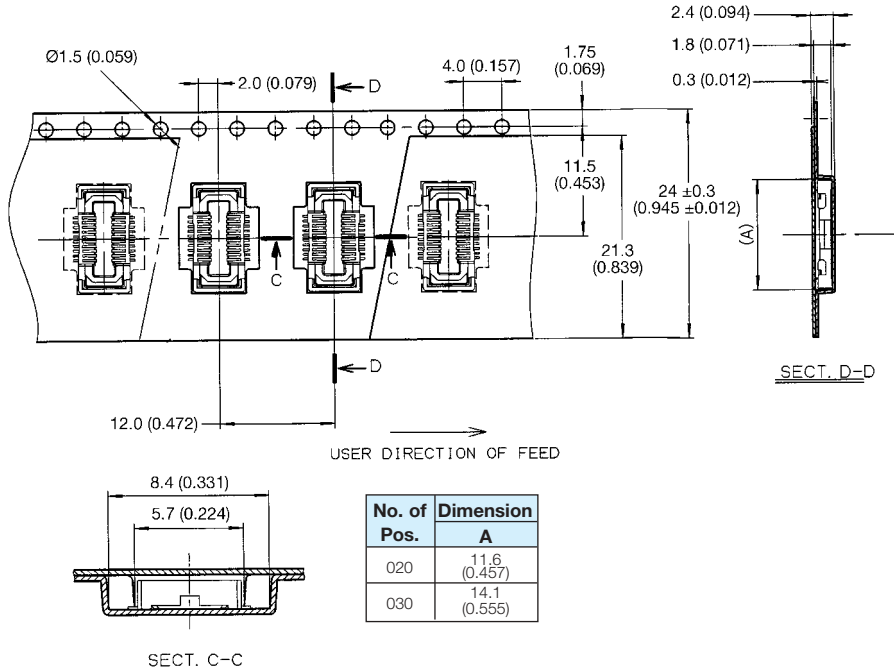
Fine Pitch SMT Board to Board Connectors

Series 5645

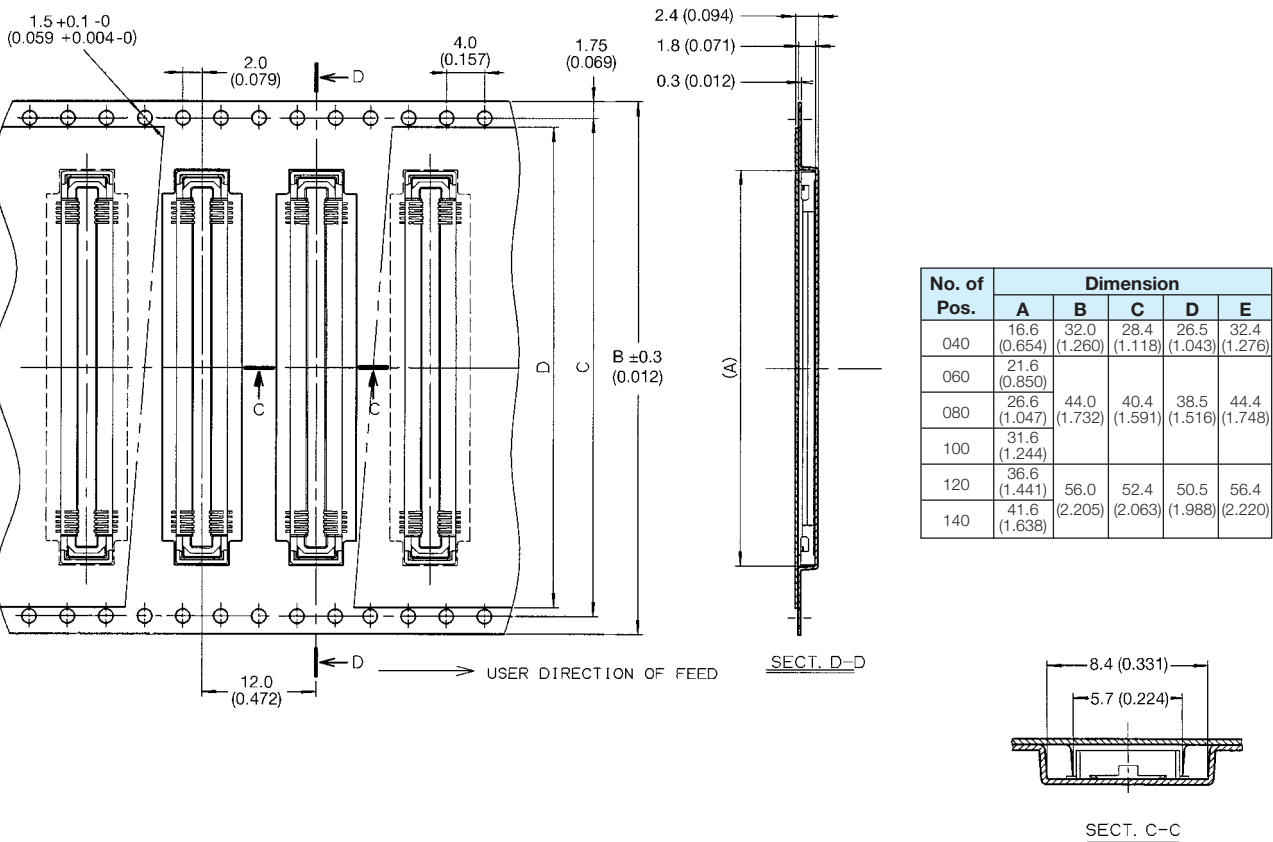
Tape and Reel Package for Mated Height 1.5mm

RECEPTACLE

20 - 30 Contacts



40 - 140 Contacts



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