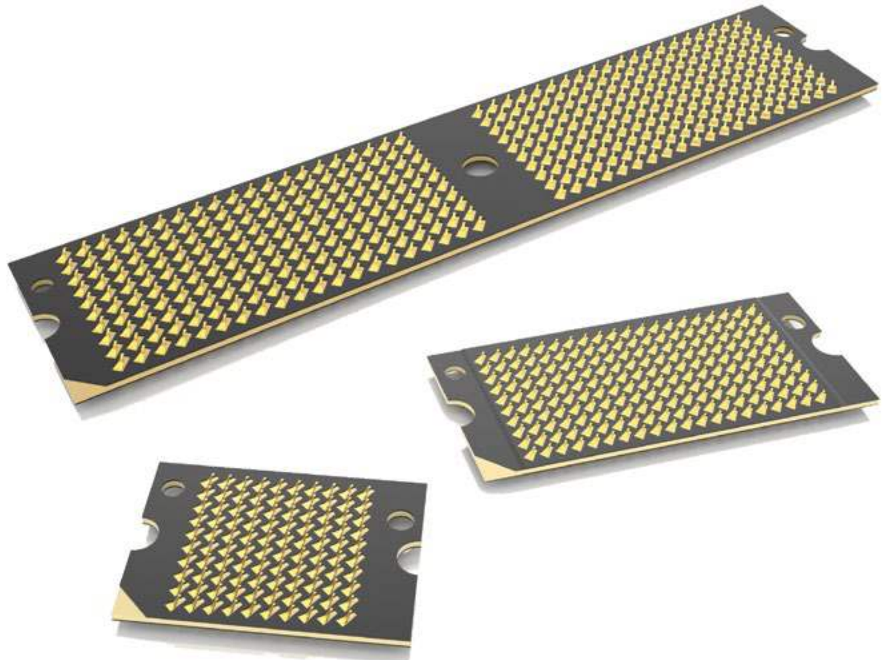
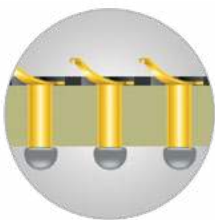
HIGH-SPEED COMPRESSION INTERPOSER

(0.80 mm) .0315" AND (1.00 mm) .0394" PITCH

FEATURES & BENEFITS

- Dual compression contacts or single compression with solder balls
- BeCu Micro-formed contacts
- Performance up to 14 Gbps (ZAX Series)
- Low-profile body height for a short signal path
- Highly customizable solutions
- Visit samtec.com?ZRDP for ultra-low profile Z-Ray® cable assembly



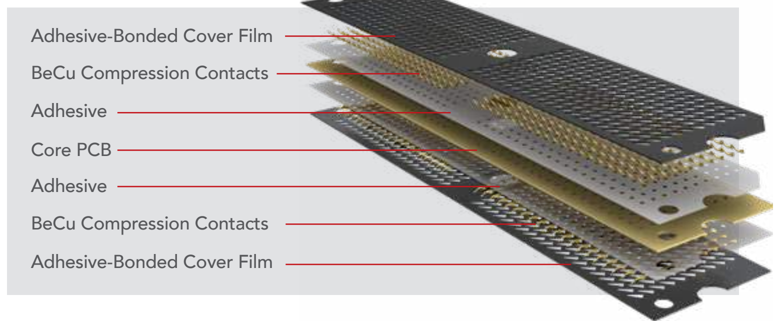


Solder Ball Option

BeCu Compression Contacts

Design & Construction

- One-piece design assembled into rugged low profile FR4 substrate under high pressure and temperature
- Built standard with a 1 mm board-to-board thickness
- Contacts are designed using BeCu foils that have been formed into the"beam" structure



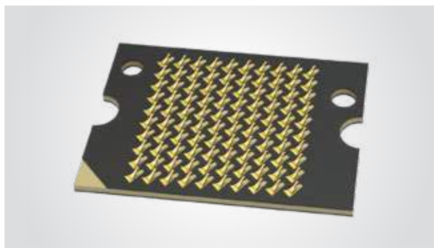
PERFORMANCE SPECIFICATIONS

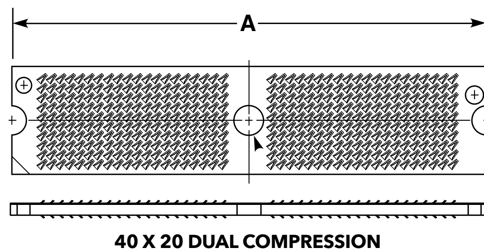
		Single Compression w/ Solder Balls		Dual Compression	
Series		ZA8	ZA1	ZA8	ZA1
Pitch		0.80 mm	1.00 mm	0.80 mm	1.00 mm
Max Row		25	20	50	58
Max Column		25	20	50	58
Thickness	FR4 Core	1.00 to 3 mm	1.00 to 3 mm	0.5 to 3 mm	0.5 to 3 mm
Thickness Tolerance	FR4 Core	±10%	±10%	±10%	±10%
Deflection / Normal Force per Pin		0.20 mm / 30g			
Operating Temperature		-55˚C to +105˚C (Single Cycle only above 85˚C)			

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

(0.80 mm) .0315" PITCH • HIGH-SPEED COMPRESSION INTERPOSER

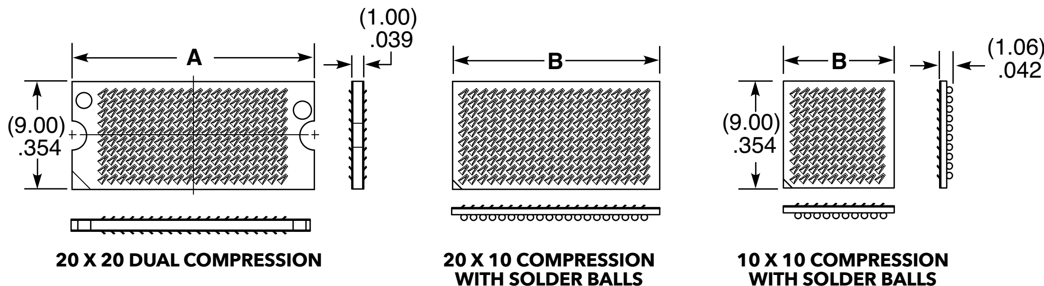
ZA8	-	POSITIONS PER ROW	-	TERMINATION	-	HEIGHT	-	PLATING OPTION	-	NO. OF ROWS	-	SOLDER TYPE
		–10, –20, –30, –40		**–1** = Single Compression with Solder Balls (-10 & -20 positions only) **–2** = Dual Compression (-10, -20, -30 & -40 positions only)		**–1.00** = (1.00 mm) .040" Height		**–Z** = 6 µ" (0.15 µm) Gold in contact area		**–10** = Ten Rows		(Termination -1 only) **–1** = Lead **–2** = Lead-Free





40 X 20 DUAL COMPRESSION

POSITIONS PER ROW	A	B
-10	(12.50) .492	(9.35) .368
-20	(20.50) .807	(17.35) .683
-30	(31.70) 1.248	N/A
-40	(39.70) 1.563	N/A



20 X 20 DUAL COMPRESSION

20 X 10 COMPRESSION WITH SOLDER BALLS

10 X 10 COMPRESSION WITH SOLDER BALLS

Notes:
Some sizes, styles and options are non-standard, non-returnable

View complete specifications at: samtec.com?ZA8

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