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Product Name: ZX146QTE-040 Samtec Breakout Adapter
TE Mictor SB 0.8mm (0.032") centerline 80 Breakout Adapter

Mates with: Samtec QSE-040-L-D QSE-028-01-DP connectors

EQCD EQSD EQDP EQRF cable assembly, any 2 banks of QSE-060 or -DP

Samtec QSE-040-L-D QSE-028-01-DP connectors

and any 2 banks of QSE-060 (-042 Differential pair, -DP), QSE-080 (-056) connectors.

ZX146QTE-040 mates with all -DP (differential pair) QSE connector series, QSE-028 connectors. If interfacing with -DP connector series, please ignore every other signal as the -DP connector only provides access to differential pair signals where the 3rd signal is not present on the -DP connector series.

TE Mictor SB 0.8mm (0.032") centerline 80 positions (2 rows, 40 positions / row) Receptacles.

Table 1 lists 80 positions - 2 Rows x 40 Pins/Row TE Mictor SB 0.8mm (0.032") Pitch Connectors Part numbers **ZX146QTE-040 mates with all listed Receptacles** of TE Mictor SB 0.80mm (0.032") centerline 80 position connectors.

Table 2 lists cross matrix compatibility between Samtec and TE Mictor SB 0.8mm (0.032") 80 positions connector.

Table 1: TE Mictor SB 0.8mm (0.032") Pitch Connectors Part numbers

Table 1. Te Mictol SB 0.8Hill (0.032) Pitch Connectors Part							
80 positions - 2 Rows x 40 Pins/Row TE Mictor SB 0.8mm (0.032") Pitch Connectors Part numbers							
TE Mictor SD 0.8mm (0.032")	Description	Mated Stack Height					
1658043-2 2-1658043-2 1658012-2 2-1658012-2 1658462-2 2-1658462-2	Receptacle						
4-1658043-2 6-1658043-2 4-1658012-2 6-1658012-2 4-1658462-2 6-1658462-2	receptacie						
1658044-2 2-1658044-2 1658013-2 2-1658013-2 1658463-2 2-1658463-2		5mm (0.197")					
4-1658044-2 6-1658044-2 4-1658013-2 6-1658013-2 4-1658463-2 6-1658463-2							
1658045-2 2-1658045-2 1658014-2 2-1658014-2 1658464-2 2-1658464-2		8mm (0.315")					
4-1658045-2 6-1658045-2 4-1658014-2 6-1658014-2 4-1658464-2 6-1658464-2							
1658046-2 2-1658046-2 1658015-2 2-1658015-2 1658465-2 2-1658465-2	1	11mm (0.433")					
4-1658046-2 6-1658046-2 4-1658015-2 6-1658015-2 4-1658465-2 6-1658465-2							
1658437-2 2-1658437-2 1658438-2 2-1658438-2 1658439-2 2-1658439-2		14mm (0.551")					
4-1658437-2 6-1658437-2 4-1658438-2 6-1658438-2 4-1658439-2 6-1658439-2	Plug						
1658047-2 2-1658047-2 1658016-2 2-1658016-2 1658466-2 2-1658466-2		16mm (0.63")					
4-1658047-1 6-1658047-1 4-1658016-1 6-1658016-1 4-1658466-1 6-1658466-1	1						
1658048-2 2-1658048-2 1658017-2 2-1658017-2 1658467-2 2-1658467-2	1	19mm (0.748")					
1658049-2 2-1658049-2 1658018-2 2-1658018-2 1658468-2 2-1658468-2		22mm (0.866")					
]						
1658050-2 — 1658019-2 — 1658469-2 —]	25mm (0.984")					
1658051-2 — 1658020-2 — 1658470-2	1	30mm (1.181")					

All above listed TE Mictor SB 0.80mm (0.032") centerline (pitch) are compatible with Samtec QStrip QTE QSE connectors

Table 2: Cross matrix compatibility between Samtec and TE Mictor SB 0.8mm (0.032") 80 positions connector.

ZX146 Samtec Qstrip QTE QSE cross matrix compatability with TE Mictor SB 0.8mm (0.032") Pitch Connectors									
TE Mictor SD 0.8mm (0.032")		Samtec QStrip QTE QSE			Description	Mated Stack Height			
Gold Flashing	10 μ" Gold Plating	30 μ" Gold Plating	Gold Flashing	10 μ" Gold Plating	30 μ" Gold Plating	Description	Wated Stack Height		
1658043-2	1658012-2	1658462-2	QSE-040-01-F-D-A	QSE-040-01-L-D-A	QSE-040-01-C-D-A	Receptacle			
1658044-2	1658013-2	1658463-2	QTE-040-01-F-D-A	QTE-040-01-L-D-A	QTE-040-01-C-D-A	Plug	5mm (0.197")		
1658045-2	1658014-2	1658464-2	QTE-040-02-F-D-A	QTE-040-02-L-D-A	QTE-040-02-C-D-A		8mm (0.315")		
1658046-2	1658015-2	1658465-2	QTE-040-03-F-D-A	QTE-040-03-L-D-A	QTE-040-03-C-D-A		11mm (0.433")		
1658437-2	1658438-2	1658439-2	QTE-040-09-F-D-A	QTE-040-09-L-D-A	QTE-040-09-C-D-A		14mm (0.551")		
1658047-2	1658016-2	1658466-2	QTE-040-04-F-D-A	QTE-040-04-L-D-A	QTE-040-04-C-D-A		16mm (0.63")		
1658048-2	1658017-2	1658467-2	QTE-040-05-F-D-A	QTE-040-05-L-D-A	QTE-040-05-C-D-A		19mm (0.748")		
1658049-2	1658018-2	1658468-2					22mm (0.866")		
1658050-2	1658019-2	1658469-2	QTE-040-07-F-D-A	QTE-040-07-L-D-A	QTE-040-07-C-D-A		25mm (0.984")		
1658051-2	1658020-2	1658470-2					30mm (1.181")		

Note:

- 1-Stack Height: Receptacle with the listed Plug
- 2-Any listed Samtec QTE Plug is compatible with Any TE Mictor SD 0.8mm (0.032") pitch Receptacle connector.
- 3-Any Listed TE Mictor SD 0.8mm (0.032") pitch Plug is compatible with Any Samtec QStrip QSE connector.

Ground: Samtec QTE & QSE as well as TE Mictor SB 0.8mm centerline connector series include enter line Ground blade.

The Ground blade on the ZX146QTE-LP is connected to two internal PCB ground reference layers as well as top / bottom ground fills.

Please refer to page 1 "simplified cross section diagram" for details.

For proper signal measurements, please connect the GND test point to host / target ground reference point.

Note: ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated

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