

5.2 x 7.6 SoM BTE and BSE B2B Connectors

5.2 x 7.6 cm SoM modules use two Samtec [BTE](#) connectors on the bottom side.

- 2x REF-189019-02 (120-pins)
 - BTE Mates with BSE

5.2 x 7.6 cm SoM carrier use two Samtec [BSE](#) on the top side.

- 2x REF-189019-01 (120-pins)
 - BSE Mates with BTE

Features

- Board-to-Board Connector 120-pins
- Insulator Material: Liquid Crystal Polymer
- Max cycles 100
- Operating Temperature Range: -55°C bis +125°C
- Lead-Free Solderable: Yes
- RoHS Conform: Yes

Connector Stacking height

When using the standard type on baseboard and module, the mating height is 5 mm.

Order number	REF Number	Samtec Number	Type	Mated Height	Comment
-	REF-189019-02	BTE-060-01-L-D-A-K-TR	Module connector	5 mm	Standard connector used on module
26663	REF-189019-01	BSE-060-01-L-D-A-TR	Baseboard connector	5 mm	Standard connector used on board

Current Rating

Current rating of Samtec Basic Blade & Beam Header & Socket BTE/BSE B2B connectors is 2 A per pin (2 pin powered).

Connector Speed Ratings

Stack Height	Signal Typ	Speed rating
5 mm	Single-Ended	8 GHz / 16 Gbps
5 mm	Differential	5 GHz / 10 Gbps

Manufacturer Documentation

File	Modified
PDF File hsc-report_bte-bse-05mm_web.pdf	21 11, 2017 by John Hartfiel
PDF File bte.pdf	21 11, 2017 by John Hartfiel
PDF File bse.pdf	21 11, 2017 by John Hartfiel

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