

## X-Beam™ Mobile FPC Connector Overview

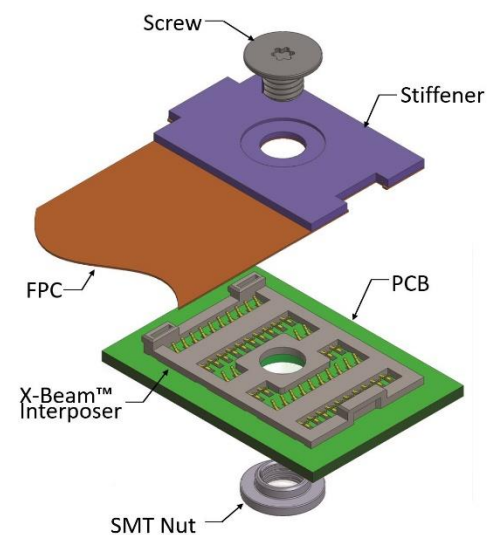
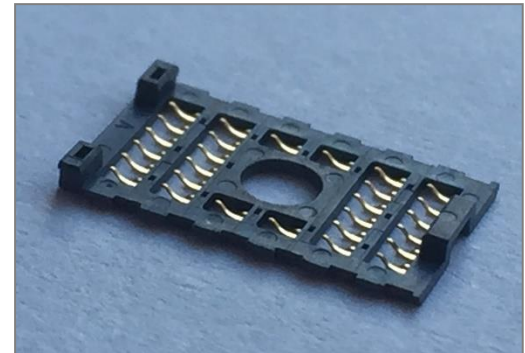
### High Current, Low Resistance, Ultra Low Profile

#### OVERVIEW

Mobile devices are increasingly thinner, yet demands are also ever-increasing for more power and higher signal performance. As a result, smaller, lower profile and higher efficiency connectors are needed to optimize the design and maximize performance. The **X-Beam™ Connector** provides a unique solution in its ability to support both high current and high signal speed in one design. By integrating the historically proven Neoconix micro-spring design into an over-molded thermoplastic carrier, the X-Beam connector enables superior electrical performance coupled with ease of assembly in a ~ 1mm total mated height solution.

#### FEATURES

- Ultra-low profile, 0.35 – 0.46mm interposer base height
- One-step high reliability screw assembly
- High speed signal contacts to >10Gbps.
- SMT Processing
- Current capacity up to 1.5A per position
- Offered with pick & place cap and tape & reel packaging
- Pick & place compatible standard hardware
- Additional customization options offered
- Compliant with ROHS 2011/65/EU and IPC-4101B (halogen-free)

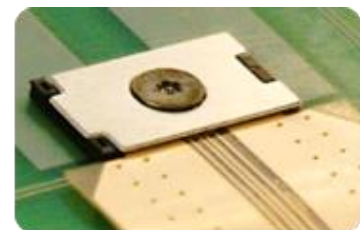
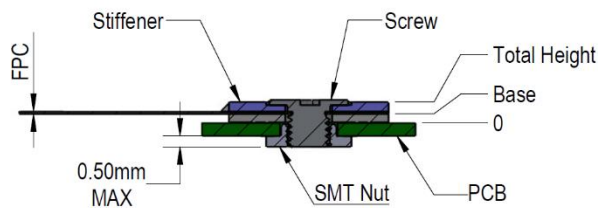
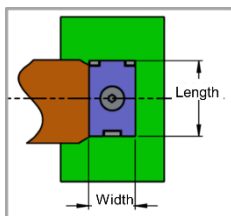


#### STANDARD PRODUCT FAMILY<sup>1</sup>

Part Number <sup>1</sup>	Contacts	Current Max (A)	Length (mm)	Width (mm)	Base Height (mm)	FPC Thickness (mm)	Stiffener Thickness (mm)	Hardware	Total Height (mm)
XBM-D012A	12	4	7.96	3.60	0.46	0.10	0.20	M1.2 x 2	1.03
XBM-G028A <sup>2</sup>	28	8	10.80	6.65	0.35	0.15	0.40	M2.0 x 2	1.22
XBM-D048A	48	12	11.35	7.68	0.40	0.10	0.50	M2.0 x 2	1.33
XBM-D068A	68	16	13.60	7.68	0.40	0.10	0.50	M2.0 x 2	1.33

1. Additional Customization Available Upon Request

2. XBM-G028A specifically configured with 24 Power/Ground Contacts + 4 Signal Contacts



#### FOR MORE INFORMATION

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