

MULTIGIG RT Tier 1 Connector System (Continued)

Mechanical Design Summary
Mechanical Features

- Extremely rugged connector for mission critical applications
- Three signal sequencing levels plus an additional three power sequencing levels
- Keyed guide modules standard: cannot mate connector incorrectly, and provide ± 3 mm of gage
- Options available include:
 - Power modules
 - Electrostatic discharge guide pins
 - Multiple guide pin keying options
- High signal density: 70 pairs for differential signals

20.30 [.800] Pitch Connector

Type	Style	No. of Cols.	Signal Pattern	Part Number
(Backplane) Receptacle	Center	16	N/A	1410200-1
	Stand Alone	16	N/A	1410420-1
	Half Left	8	N/A	1410226-1
	Half Right	8	N/A	1410227-1
	Full Left	16	N/A	1410201-1
	Full Right	16	N/A	1410202-1
(Daughtercard) Plug	Center	16	S.E.	1410205-1
		16	Diff.	1410205-2
	Stand Alone	16	S.E.	1410421-1
		16	Diff.	1410421-2
	Half Left	8	S.E.	1410228-1
	Half Left	8	Diff.	1410228-2
	Half Right	8	S.E.	1410229-1
	Half Right	8	Diff.	1410229-2
	Full Left	16	S.E.	1410206-1
		16	Diff.	1410206-2
	Full Right	16	S.E.	1410207-1
	Full Right	16	Diff.	1410207-2

25.40 [1.00] Pitch Connector

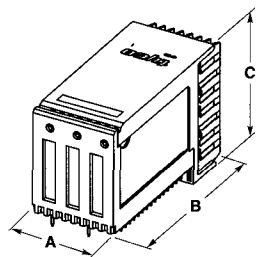
Type	Style	No. of Cols.	Signal Pattern	Part Number
(Backplane) Receptacle	Center	16	N/A	1410210-1
	Stand Alone	16	N/A	1410412-1
	Half Left	8	N/A	1410231-1
	Half Right	8	N/A	1410230-1
	Full Left	16	N/A	1410211-1
	Full Right	16	N/A	1410212-1
(Daughtercard) Plug	Center	16	S.E.	1410215-1
		16	Diff.	1410215-2
	Stand Alone	16	S.E.	1410413-1
		16	Diff.	1410413-2
	Half Left	8	S.E.	1410232-1
	Half Left	8	Diff.	1410232-2
	Half Right	8	S.E.	1410233-1
	Half Right	8	Diff.	1410233-2
	Full Left	16	S.E.	1410216-1
		16	Diff.	1410216-2
	Full Right	16	S.E.	1410217-1
	Full Right	16	Diff.	1410217-2

The drawings below show the nominal dimensions for the MULTIGIG RT 1 connector modules

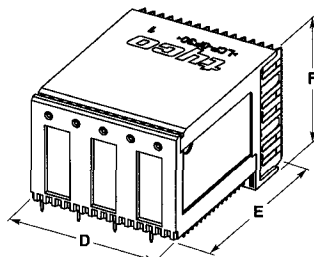
Dim.	20.32 [.800] Connector	25.40 [1.000] Connector
A	16.10 .630	16.10 .630
B	21.60 .850	27.40 1.080
C	18.40 .720	24.20 .950
D	28.70 1.130	28.70 1.130
E	21.60 .850	27.40 1.080
F	18.40 .720	24.20 .950

Dim.	20.32 [.800] Connector	25.40 [1.000] Connector
AA	R = 17.00 .067 L = 15.20 .600	R = 17.00 .067 L = 15.20 .600
BB	10.50 .410	10.50 .410
CC	18.60 .730	24.40 .960
DD	28.70 1.130	28.70 1.130
EE	10.50 .410	10.50 .410
FF	18.60 .730	24.40 .960

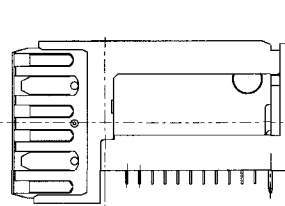
Left/Right End Module



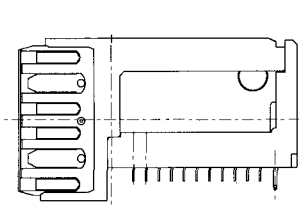
Center Module



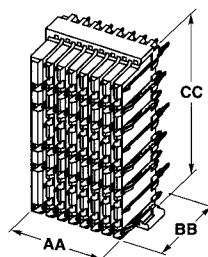
Left Full End Module



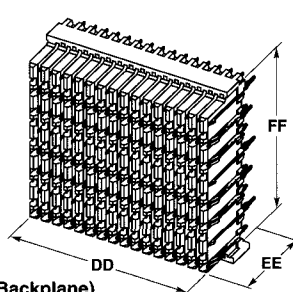
Right Full End Module



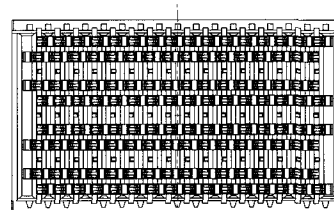
Plug (Daughtercard)



Receptacle (Backplane)



Stand Alone Backplane



Stand Alone Daughtercard

