

Update Project Proposal: SFF-TA-1016

Presented: August 16, 2024

Editor: Paul Coddington [Amphenol]

Supporters: Michael Gregoire [Dell], Calbert Lo [Supermicro],
Glen Hanna [Lenovo], Jason Stuhlsatz [Broadcom]

Project Proposal: SFF-TA-1016, new updates to Rev 1.2

■ Updates

- Add missing EDSFF contact numbering figure and also add contact numbering to existing drawing figures (Figure 7-3 & Figure A-5)
- Update Hybrid connector descriptions (naming throughout the document needs review)
- Properly identify cross-section locations in Figure 7-3 and Figure 7-6
- Correct dimension descriptions for BB13, BB14, BB28, BA19, BA20, BC09, & BC10
- Correct dimension numbering in Figure 7-6 and Figure A-5 (this potential change needs review)

■ Editor: Paul Coddington

■ Supporters:

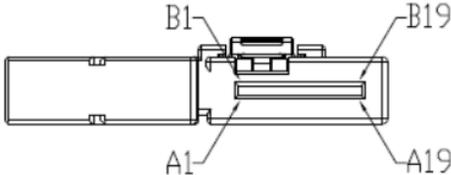
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Page. 16

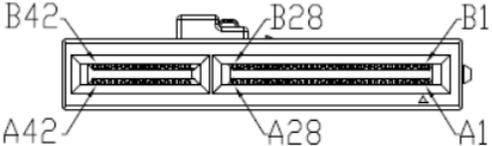
Add contact numbering of EDSFF connectors



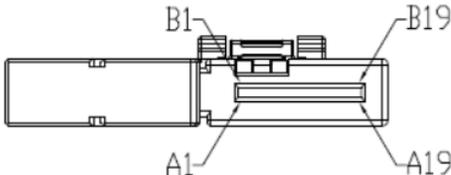
E1 1C



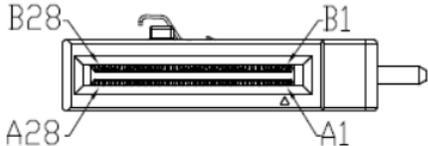
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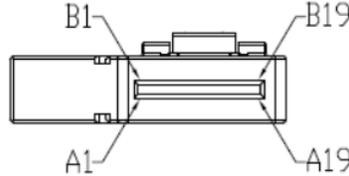
E1 2C



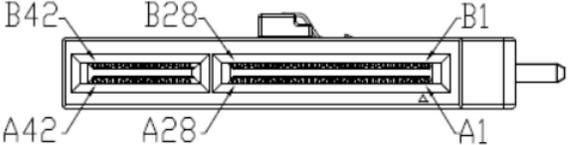
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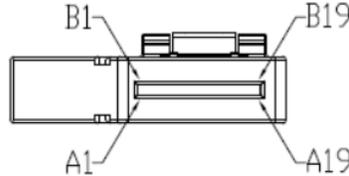
E3 1C



E3 1C



E3 2C



E3 2C

Page. 59/65 title and description change

Before(rev 1.2)

7.2.3 Hybrid E1 Vertical Receptacle Connector with 38 Contacts

Figure 7-3 Low Profile Vertical Receptacle Connector Mate to the Hybrid E1 Plugs

7.3.3 Hybrid E3 Vertical Receptacle Connector with 38 Contacts

Figure 7-6 Standard Vertical Receptacle Connector Mate to the Hybrid E3 Plugs

After(updated)

7.2.3 EDSFF LP Vertical Receptacle Connector with 38 Contacts

Figure 7-3 Low Profile Vertical Receptacle Connector Mate to the Hybrid Plugs

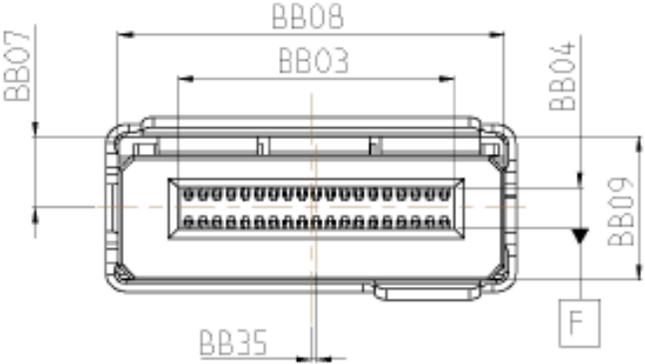
7.3.3 EDSFF STD Vertical Receptacle Connector with 38 Contacts

Figure 7-6 Standard Vertical Receptacle Connector Mate to the Hybrid Plugs

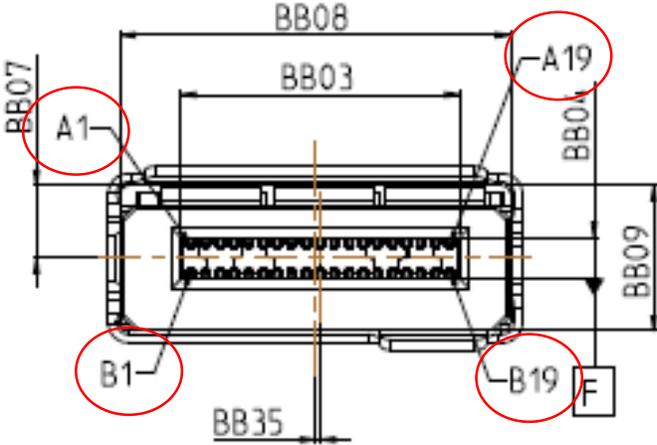
Page. 59 added pin A/B row

Before(rev 1.2)

Receptacle Connector with 38 Contact

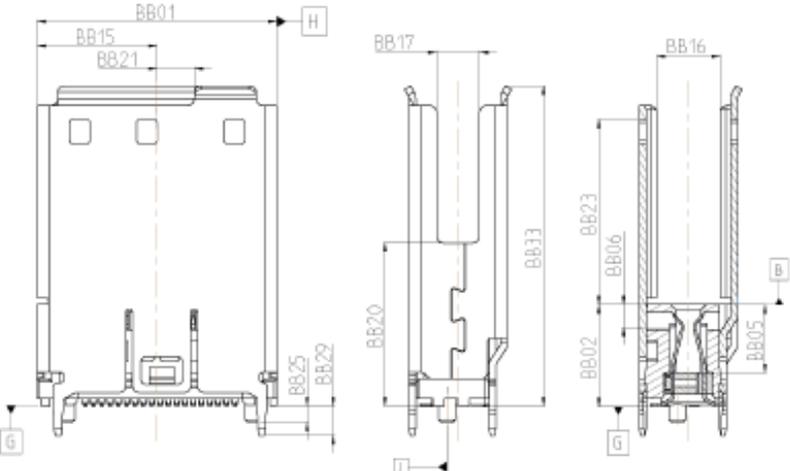


After(updated)

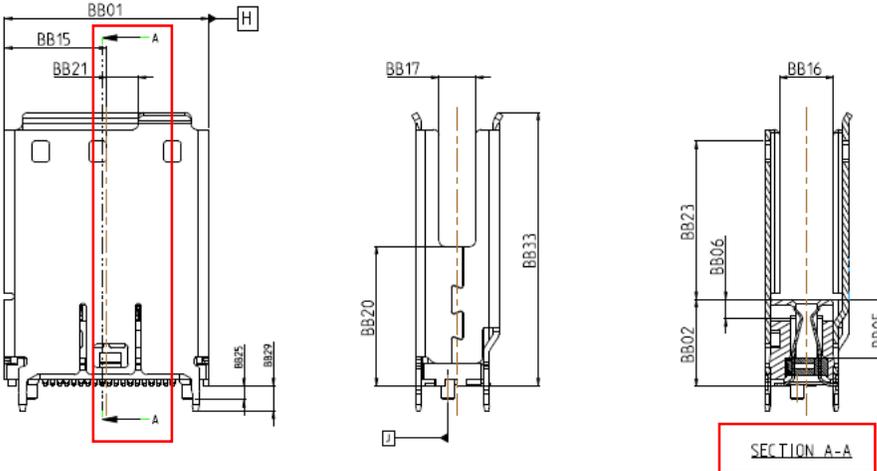


Page. 59 added section A-A position and description

Before(rev 1.2)



After(updated)



Page. 60 corrected description

Before(rev 1.2)

BB12	Latch slot to edge	1.00	±0.05
BB13	Latch slot spacing	5.585	Basic
BB14	Datum H (center of connector width) to latch window center	0.745	Basic

BB27	Datum J (peg) to first latch shroud solder pin	2.000	Basic
BB28	Datum J (peg) to first second shroud solder pin	3.29	Basic

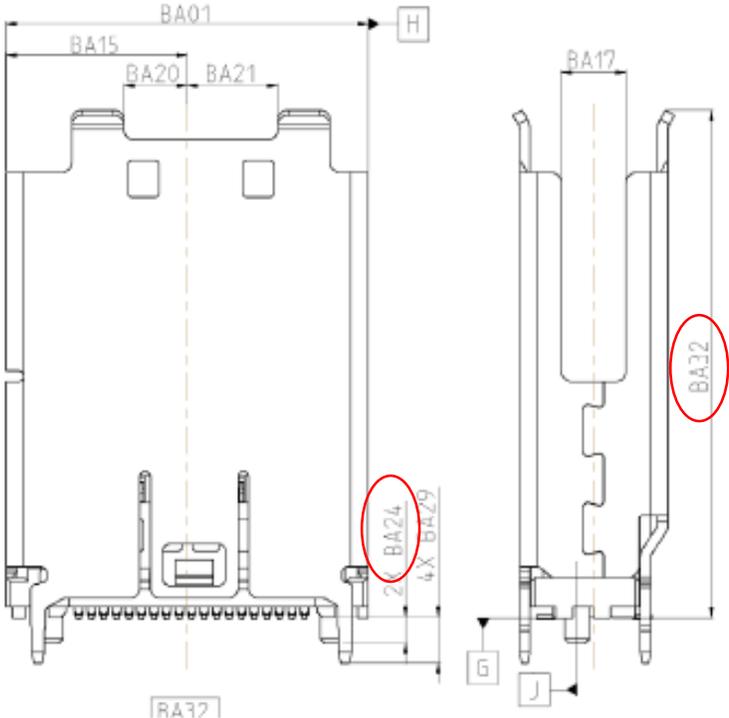
After(updated)

BB12	Latch slot to edge	1.00	±0.05
BB13	datum H (center of connector width) to left latch window center	5.585	Basic
BB14	datum H (center of connector width) to right latch window center	0.745	Basic

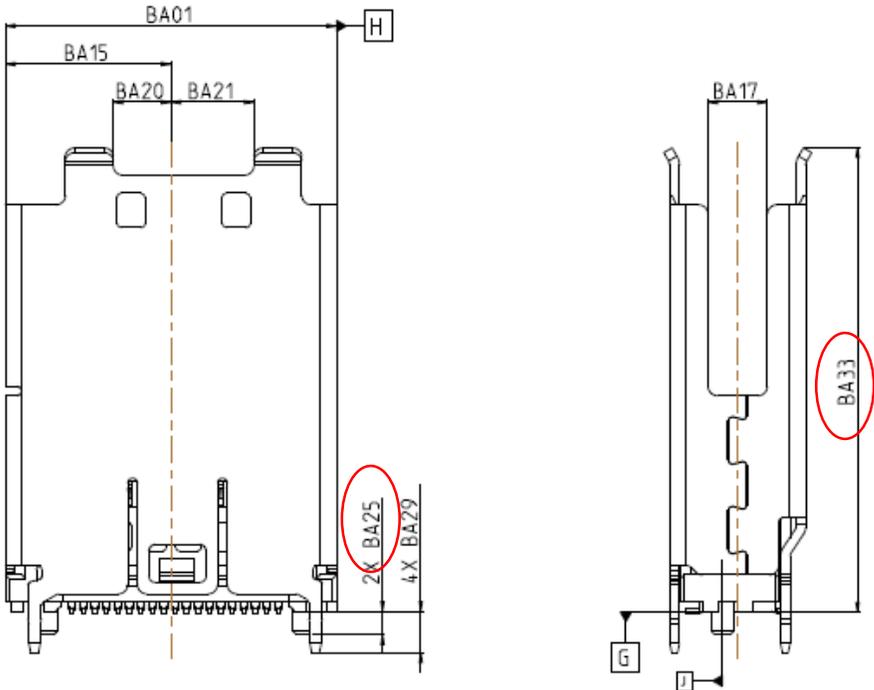
BB27	Datum J (peg) to first latch shroud solder pin	2.000	Basic
BB28	Datum J (Peg) to Second Shroud Solder pin	3.29	Basic

Page. 65 corrected dimension#

Before(rev 1.2)

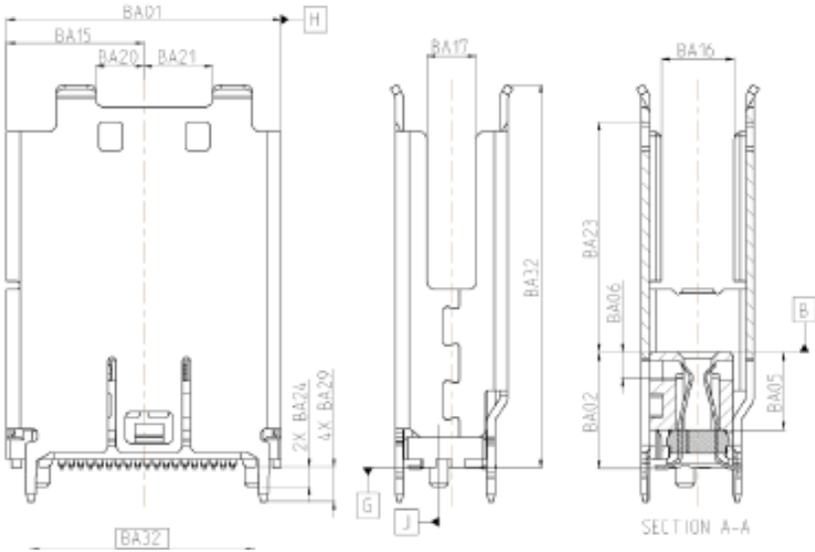


After(updated)

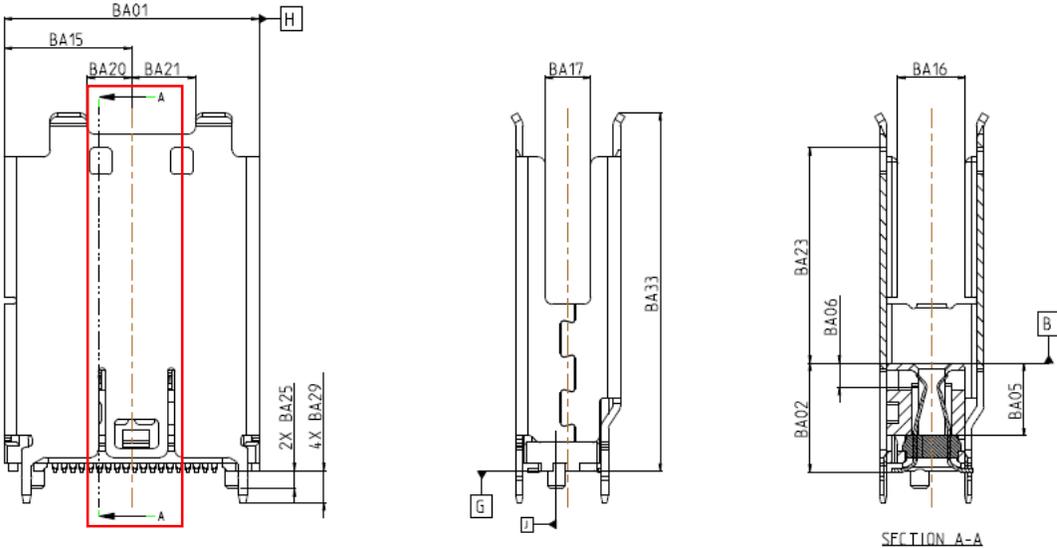


Page. 65 added section A-A position

Before(rev 1.2)



After(updated)



Page. 66 corrected description

Before(rev 1.2)

BA16	Front leading width	4.60	±0.05
BA17	Back leading width	3.10	±0.05
BA18	Front leading height	21.43	ref
BA19	Front shroud height	11.40	ref
BA20	Back shroud height	3.02	MIN
BA21	Datum H (center of connector width) to right	4.34	MIN
BA22	Datum J (peg) to Datum H (center of connector width)	6.965	Basic
BA23	Datum B (matino face) to latch slot	14.63	±0.10

After(updated)

BA18	front leading height	21.43	ref
BA19	front and back shroud height	11.40	ref
BA20	datum H (center of connector width) to left	3.02	+/-0.05
BA21	datum H (center of connector width) to right	4.34	+/-0.05

Page. 77 corrected pin A/B row

Before(rev 1.2)

After(updated)

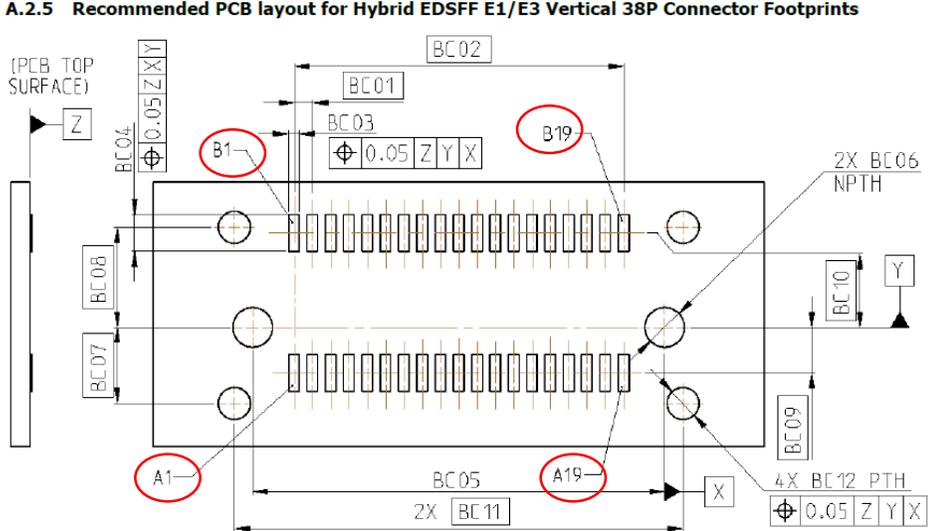
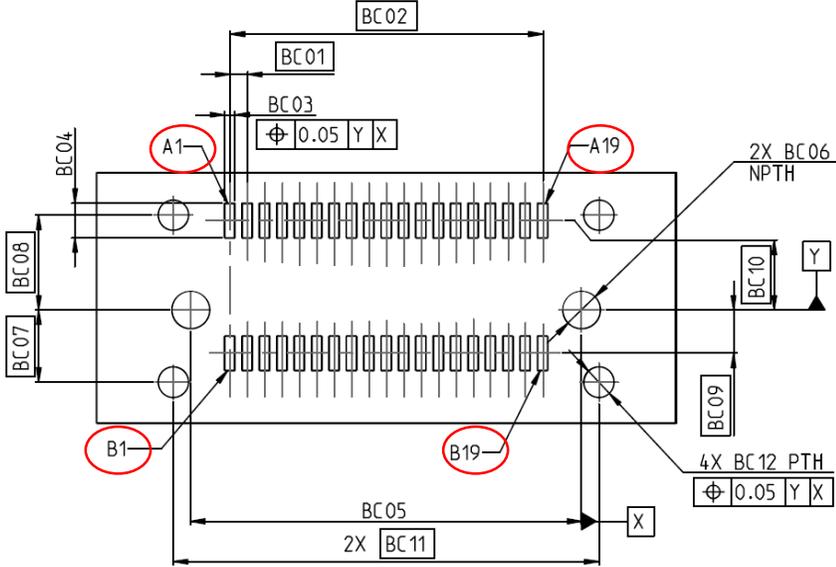


Figure A-5 Recommended Footprint for Hybrid EDSFF E1/E3 Vertical 38P Connectors



Page. 77 corrected description

Before(rev 1.2)

After(updated)

BC09	Datum Y to row A centerline	1.50	Basic
BC10	Datum Y to row B centerline	3.10	Basic

BC09	Datum Y to Row B Centerline	1.50	Basic
BC10	Datum Y to Row A Centerline	3.10	Basic