

Updated Scope for Project Proposal: SFF-TA-1016

Originally Presented: August 16, 2024

Updated Scope Presented: September 27, 2024

Editor: Paul Coddington [Amphenol]

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

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

■ Updates

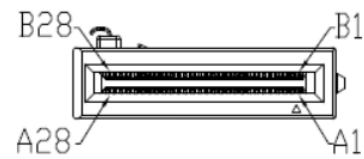
- Add missing EDSFF contact numbering figure and also add contact numbering to existing drawing figures (~~Figure 7-3 &~~ Figure A-5)
- Update Hybrid connector descriptions (naming throughout the document needs review)
- Properly identify cross-section locations in ~~Figure 7-3 and~~ Figure 7-6
- Correct 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)
- **New Update: Remove EDSFF LP vertical connector & adjust EDSFF plugs to mate with EDSFF STD vertical connector,**

■ Editor: Paul Coddington

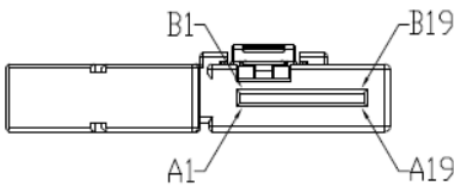
■ Supporters:

1. Amphenol
2. Dell
3. Supermicro
4. Broadcom

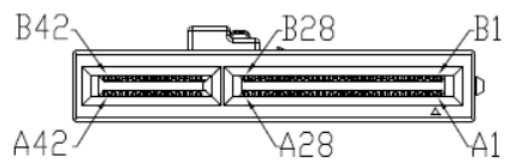
Page 16, Add contact numbering of EDSFF connectors



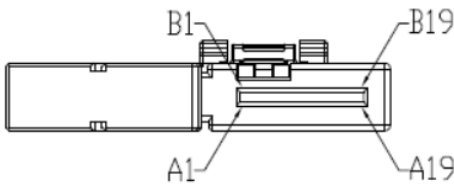
E1 1C



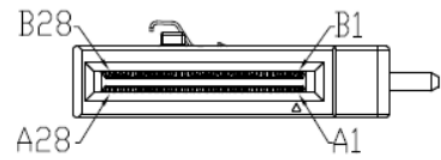
E1 1C



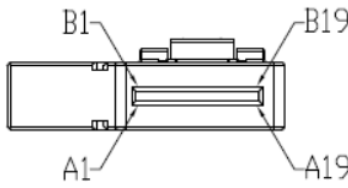
E1 2C



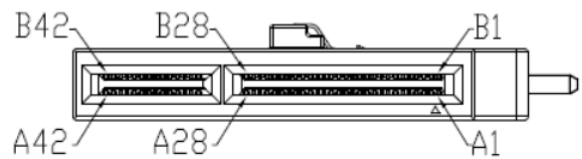
E1 2C



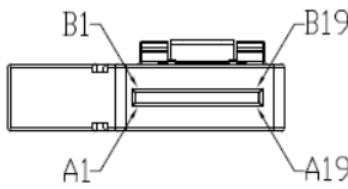
E3 1C



E3 1C



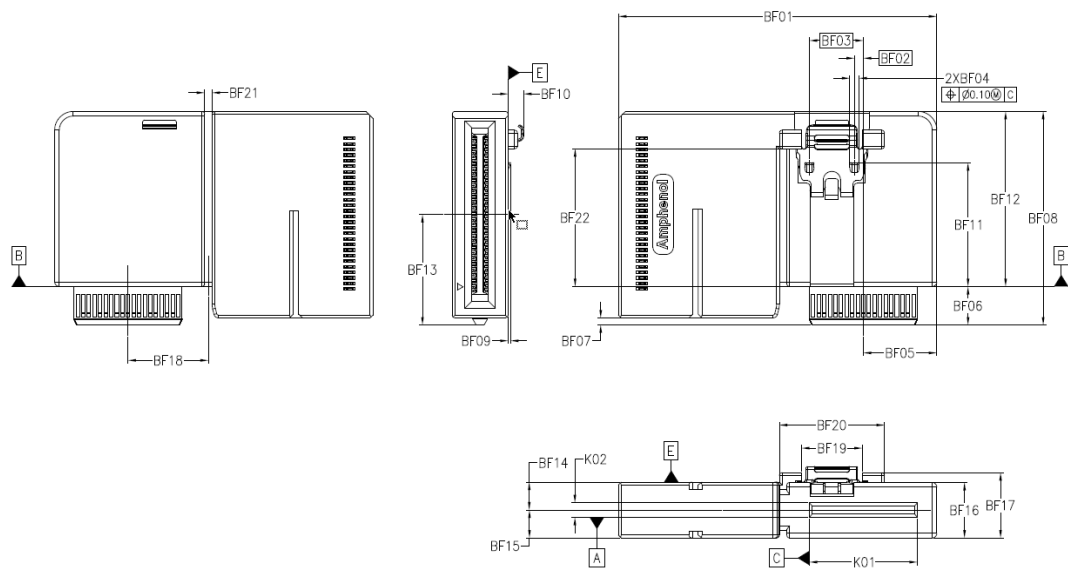
E3 2C



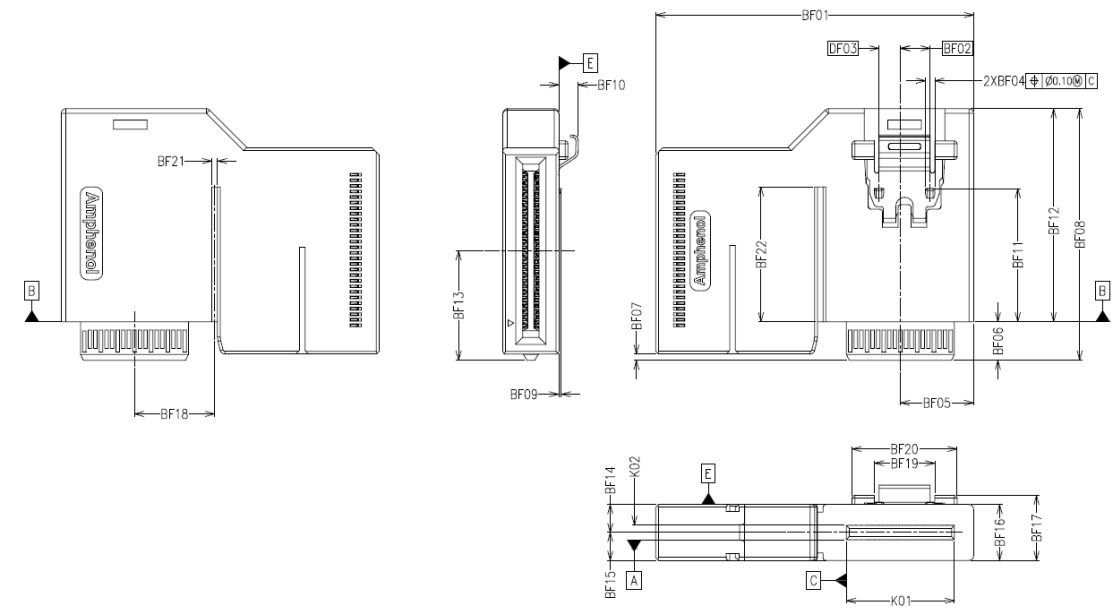
E3 2C

NEW: Page 55, updating Figure 7-2

Before(rev 1.2)



After(updated)



NEW: Page 56, updating dimensions in Table 7-2

Before(rev 1.2)

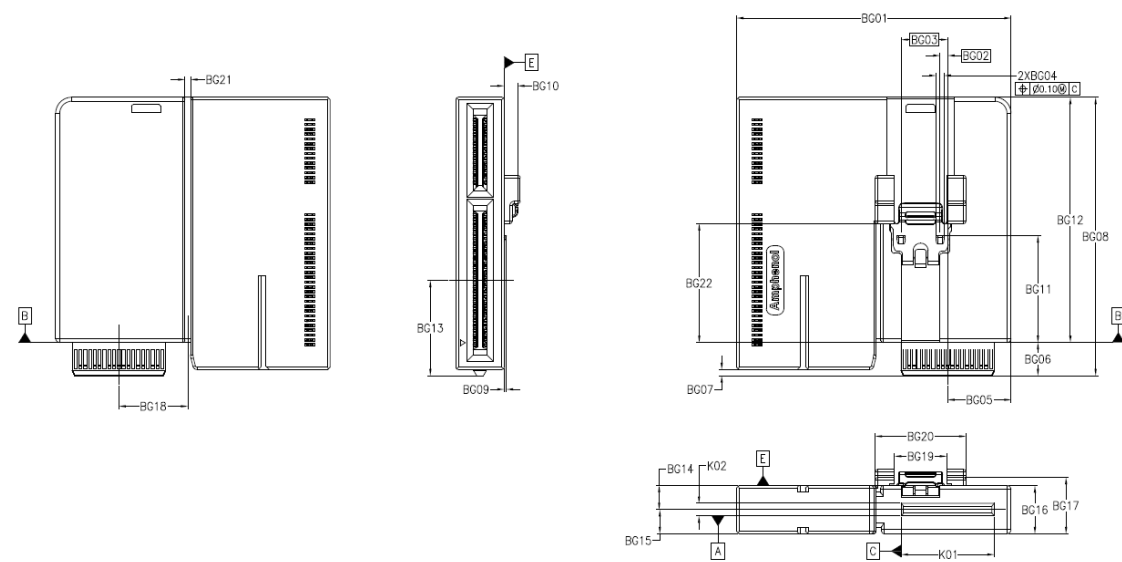
BF02	Datum C (Interface Centerline) to Right Latch Tab Center	0.96	Basic
BF03	Datum C (Interface Centerline) to Left Latch Tab Center	5.80	Basic
BF05	Datum C (Interface Centerline) to Plug Body End	7.89	±0.10
BF07	Paddle Card Edge to 1C Conn Bottom Edge	0.76	±0.10
BF08	Paddle Card Edge to Plug Body Top	22.94	REF
BF11	Datum E to Latch Tip	13.29	+0.10/-0.20
BF12	Datum B to Plug Body Top	18.81	REF
BF13	Paddle Card Edge to Center of 1C Conn	11.87	±0.10
BF22	Leading Slot Length	14.80	REF

After(updated)

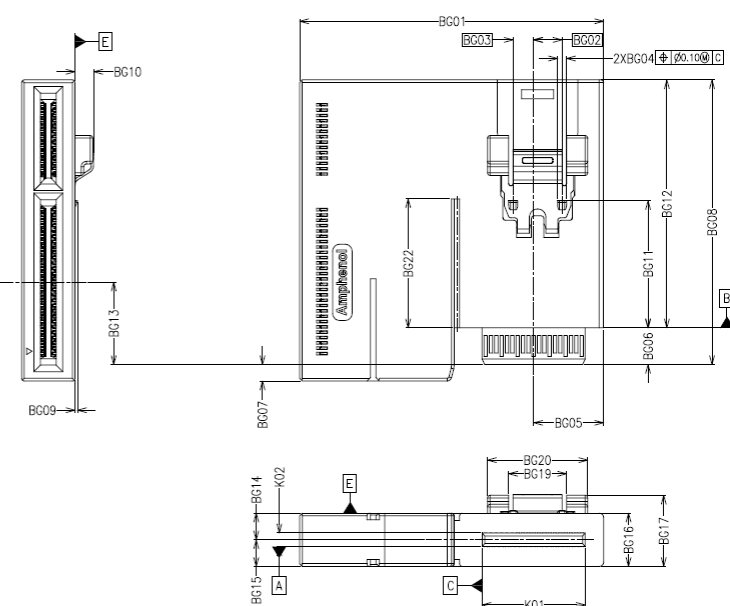
BF02	Datum C (Interface Centerline) to Right Latch Tab Center	3.20	Basic
BF03	Datum C (Interface Centerline) to Left Latch Tab Center	2.30	Basic
BF05	Datum C (Interface Centerline) to Plug Body End	7.85	±0.10
BF07	Paddle Card Edge to 1C Conn Bottom Edge	0.65	±0.10
BF08	Paddle Card Edge to Plug Body Top	27.03	REF
BF11	Datum E to Latch Tip	14.43	+0.10/-0.20
BF12	Datum B to Plug Body Top	22.90	REF
BF13	Paddle Card Edge to Center of 1C Conn	11.76	±0.10
BF22	Leading Slot Length	14.50	REF

NEW: Page 57, updating Figure 7-3

Before(rev 1.2)



After(updated)



NEW: Page 58, updating dimensions in Table 7-3

Before(rev 1.2)

BG02	Datum C (Interface Centerline) to Right Latch Tab Center	0.96	Basic
BG03	Datum C (Interface Centerline) to Left Latch Tab Center	5.80	Basic
BG05	Datum C (Interface Centerline) to Plug Body End	7.89	±0.10
BG07	Paddle Card Edge to 1C Conn Bottom Edge	0.76	±0.10
BG08	Paddle Card Edge to Plug Body Top	34.66	REF
BG11	Datum E to Latch Tip	13.29	+0.10/-0.20
BG12	Datum B to Plug Body Top	30.53	REF
BG13	Paddle Card Edge to Center of 1C Conn	11.87	±0.10
BG17	Bottom Surface Plug Body to Latch Stopper	7.00	REF
BG22	Leading Slot Length	14.80	REF

After(updated)

BG02	Datum C (Interface Centerline) to Right Latch Tab Center	3.20	Basic
BG03	Datum C (Interface Centerline) to Left Latch Tab Center	2.30	Basic
BG05	Datum C (Interface Centerline) to Plug Body End	7.85	±0.10
BG07	Paddle Card Edge to 1C Conn Bottom Edge	1.86	±0.10
BG08	Paddle Card Edge to Plug Body Top	32.04	REF
BG11	Datum E to Latch Tip	14.43	+0.10/-0.20
BG12	Datum B to Plug Body Top	27.92	REF
BG13	Paddle Card Edge to Center of 1C Conn	9.27	±0.10
BG17	Bottom Surface Plug Body to Latch Stopper	8.00	REF
BG22	Leading Slot Length	14.50	REF

Pages 59 & 65 title and description changes

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**~~

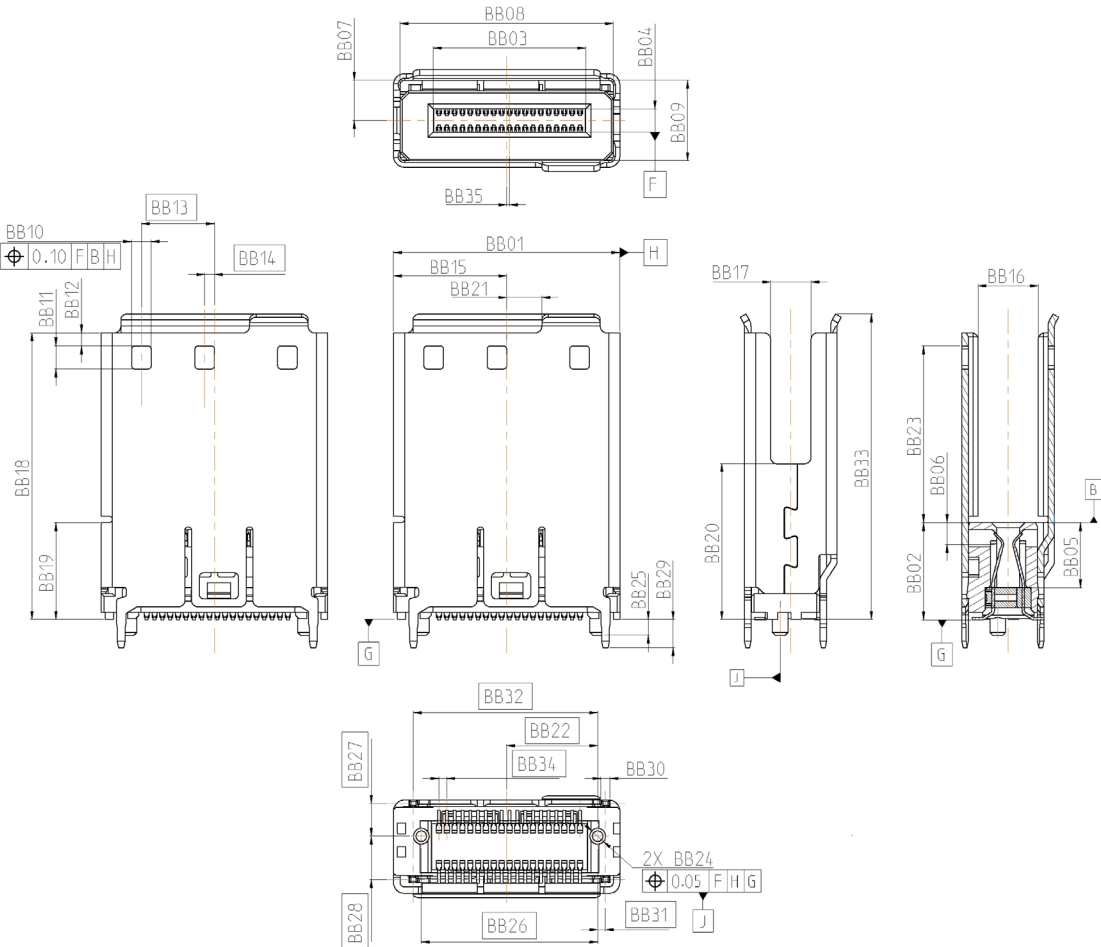
~~**Figure 7-3 Low Profile Vertical Receptacle Connector Mate to the Hybrid Plugs**~~

7.3.3 EDSFF STD Vertical Receptacle Connector with 38 Contacts

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

NEW: Pages 59 & 60, Remove EDSFF LP vertical connector

Before(rev 1.2)



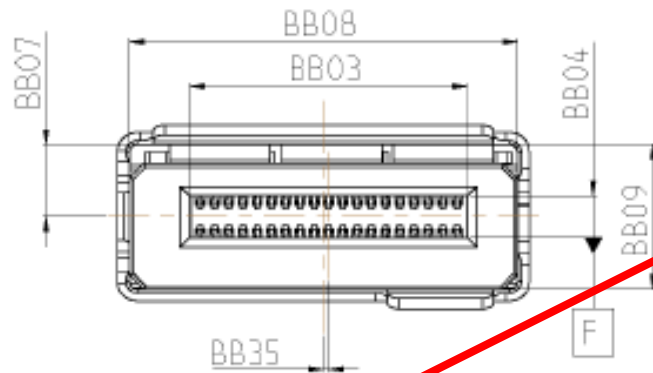
After(updated)

N/A

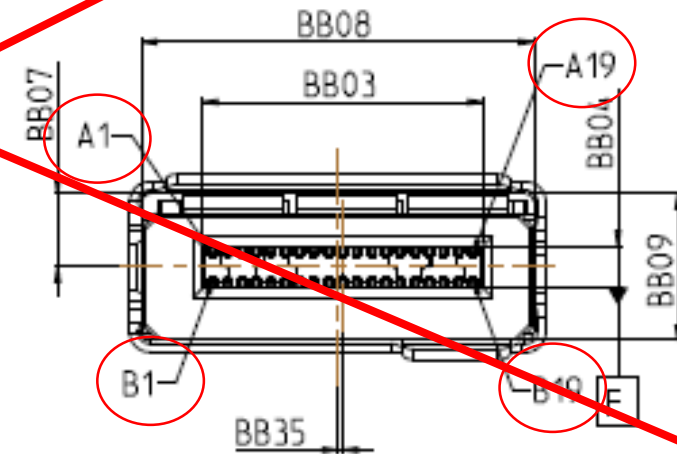
Page. 59 added pin A/B row

Before(rev 1.2)

Receptacle Connector with 38 Contact

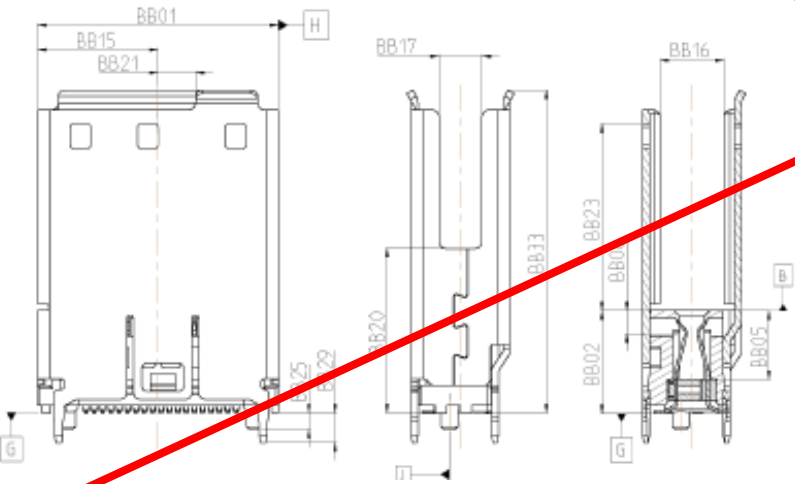


After(updated)

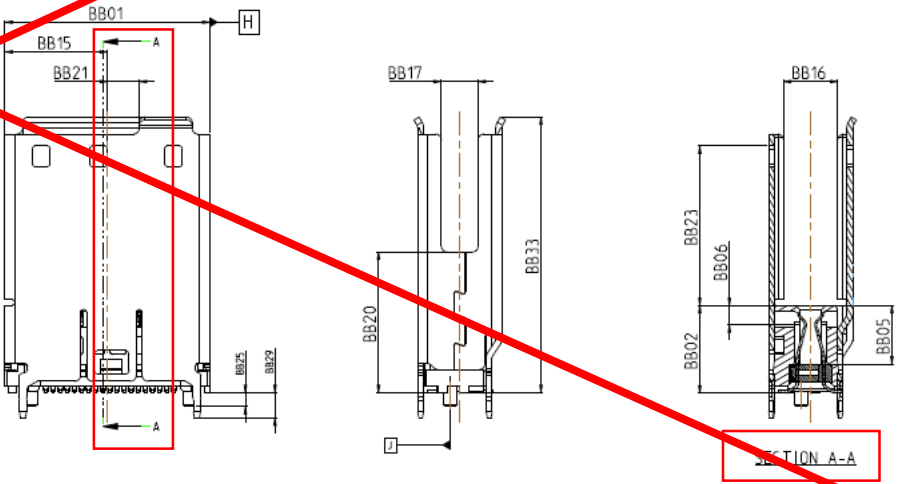


Page 59 added section A-A position and description

Before(rev 1.2)



After(updated)



Page. 60 corrected description

Before(rev 1.2)

BB12	Latch slot to edge	1.00	Basic
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

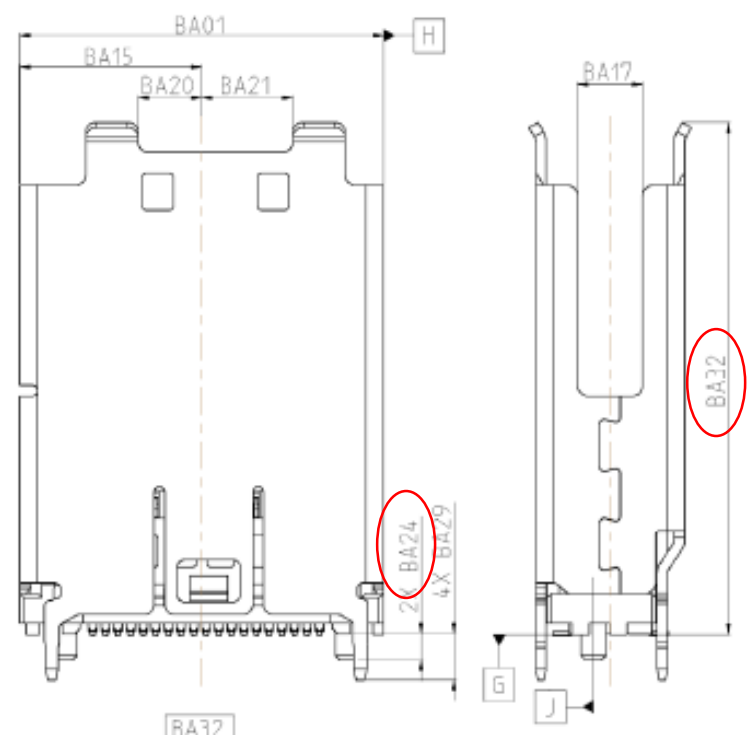
After(updated)

BB12	Latch slot to edge	1.00	Basic
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

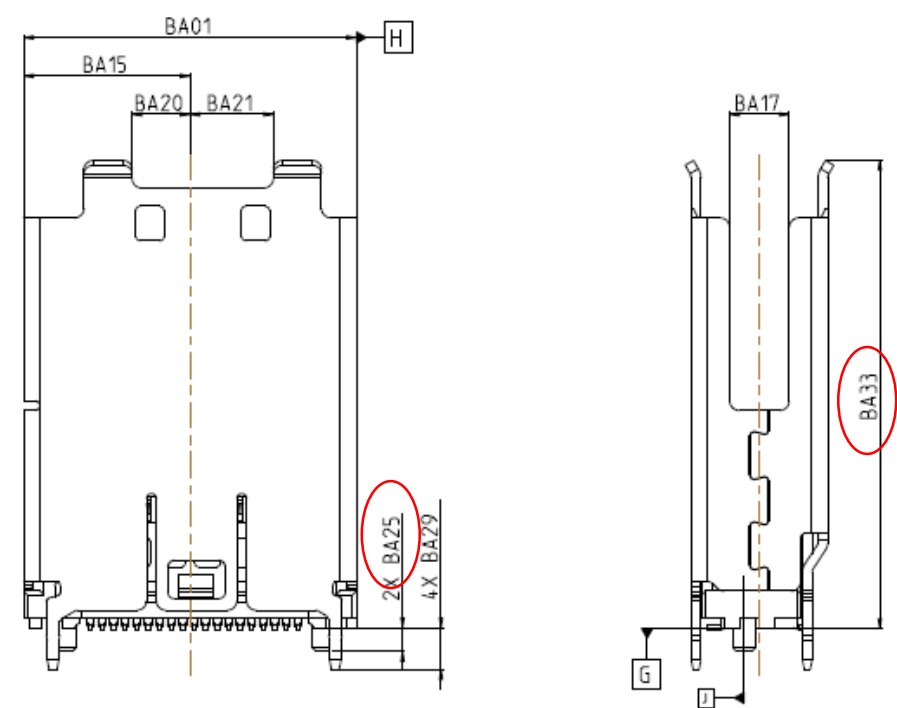
BB27	Datum J (peg) to first latch shroud solder pin	2.000	Basic
BB28	Datum J (Peg) to Second Shroud Solder pin	3.29	Basic

Page. 65 corrected dimension#

Before(rev 1.2)

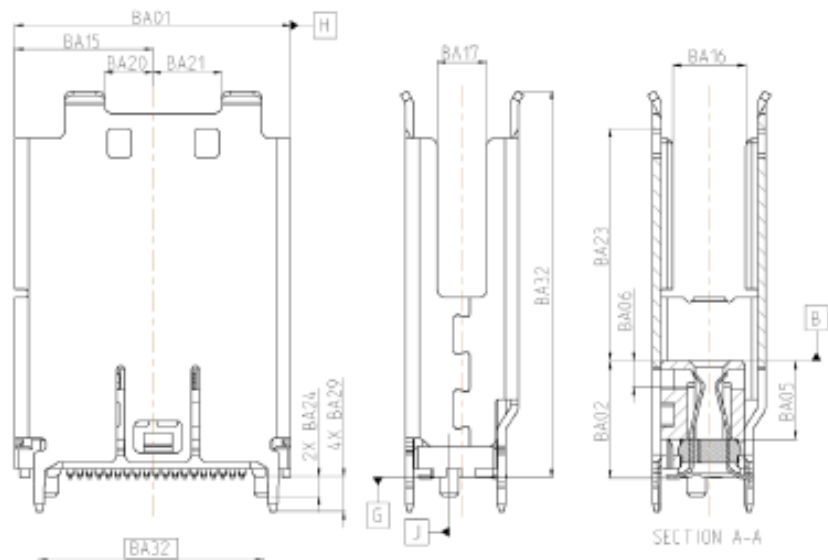


After(updated)

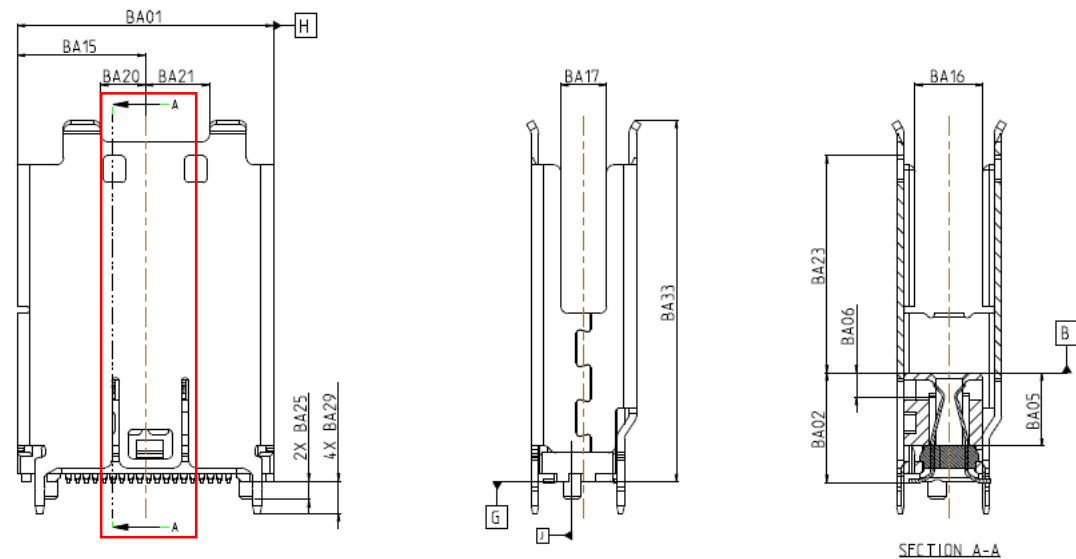


Page. 65 added section A-A position

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 (mating 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)

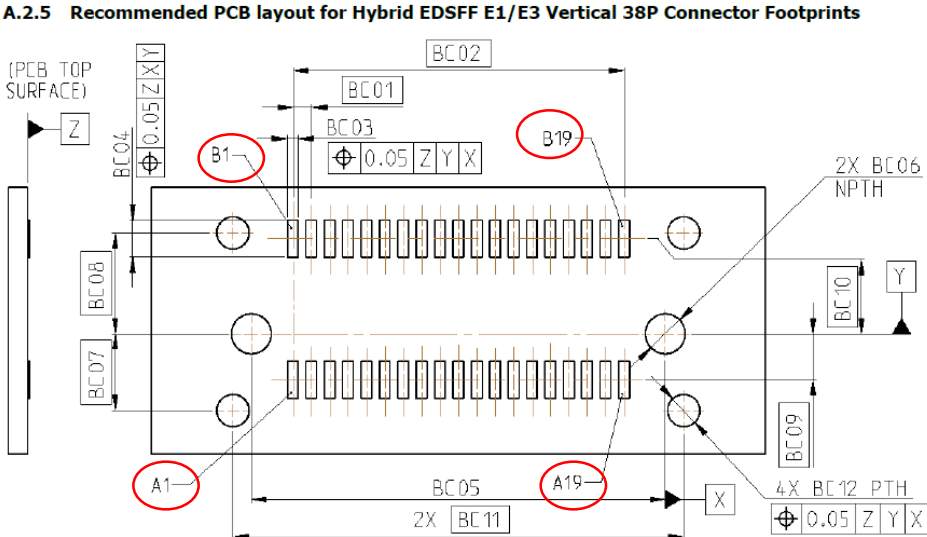
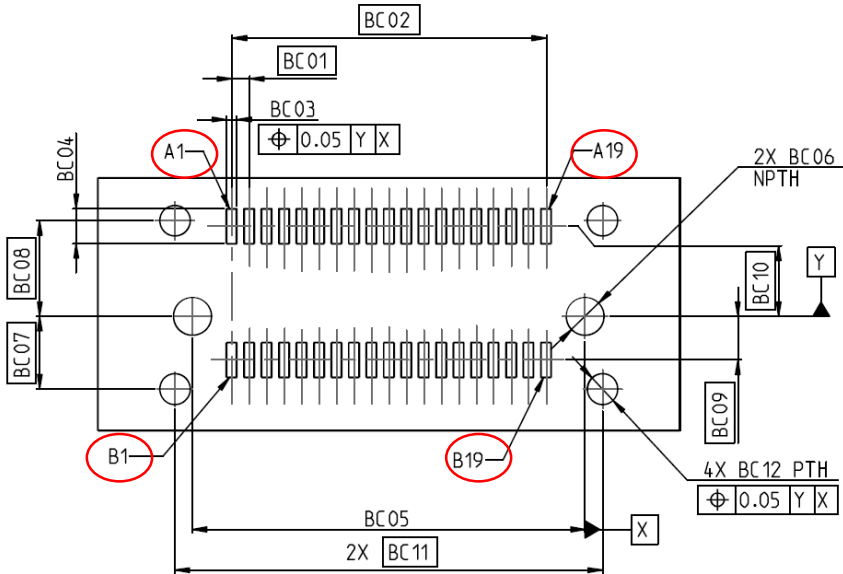


Figure A-5 Recommended Footprint for Hybrid EDSFF E1/E3 Vertical 38P Connectors

After(updated)



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