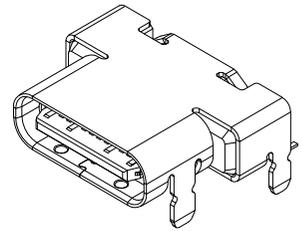
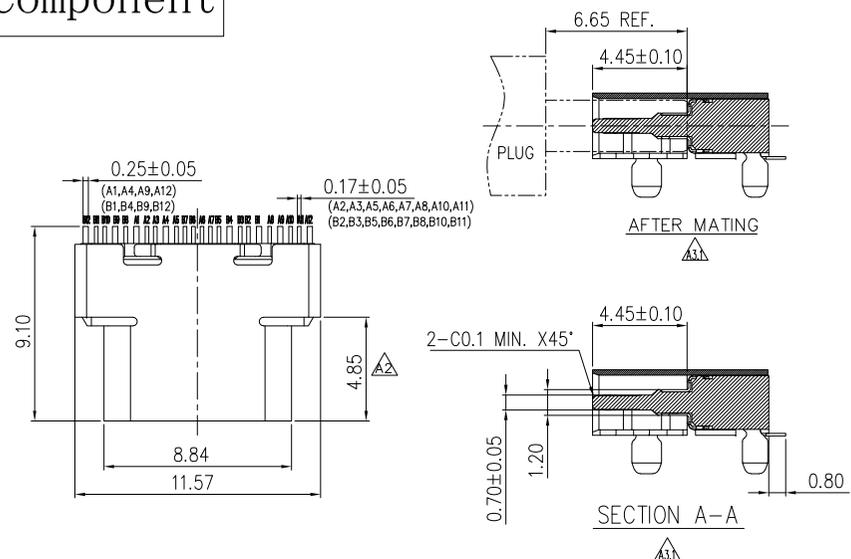
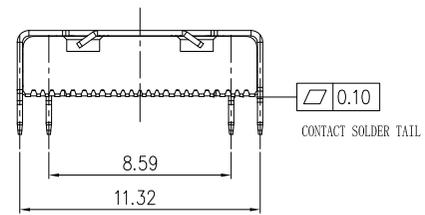
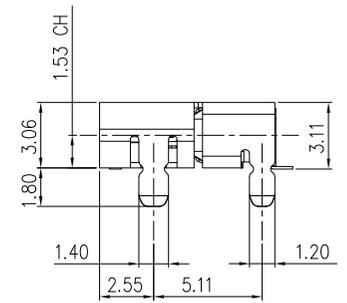
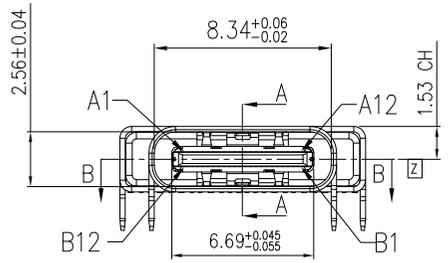


GP Component

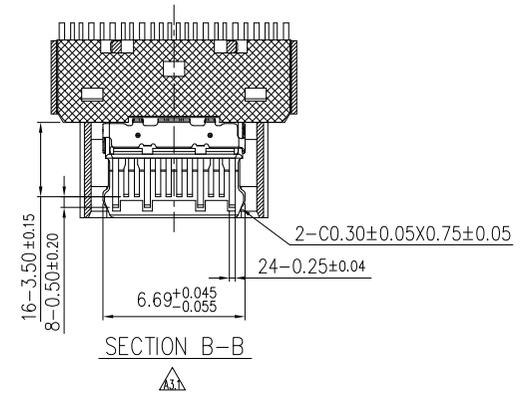
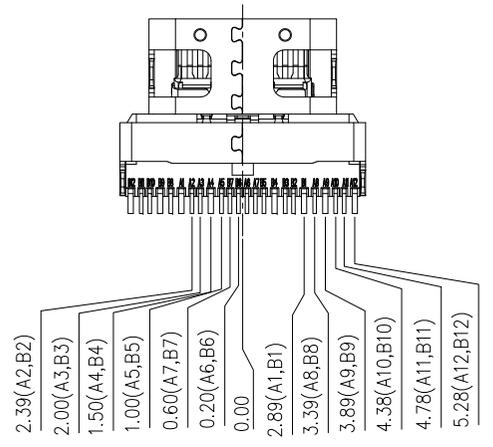
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/06/19	GINNY LIAO
A1			Add depiction	2020/06/22	HANSON
A2			Modify drawing	2020/08/10	KEN LIN
A3			Modify drawing	2022/03/01	KEN LIN
A3.1			Modify drawing	2023/04/28	KEN LIN
A3.2			Modify drawing	2024/10/22	KEN LIN



- NOTES:
- Operating condition: Temperature -40°C ~ +85°C; Humidity 80% R.H. MAX
 - MECHANICAL PERFORMANCE
 - Insertion Force: 5-20N
 - Withdrawal Force: 8-20N, 1-1000 CYCLES; 6-20N, 1001-10000 CYCLES
 - Durability: 10000 Cycles Min.
 - ELECTRICAL PERFORMANCE:
 - Rated voltage: AC 20V RMS
 - Rated current: 5A FOR TOTAL VBUS/GND PIN; 0.25A FOR OTHER PER PIN
 - Contact Resistance: 40mΩ MAX



MATRIX PART NO:
MUSB12 - 01 - 408
 MATRIX TYPE-C
 Series number
 Plating
 01: Gold Flash
 03: 3u"
 15: 15u"
 30: 30u"



ITEM	NAME	Q'TY	MATERIAC	FINISH
6	SHELL	1	STAINLESS STEEL	NI 50u" min
5	EMC	2	STAINLESS STEEL	CLEAN
4	MOLDING1	3	LCP UL94V-0	BLACK
3	GROUND PLATE	1	STAINLESS STEEL	CLEAN
2	DOWN CONTACT	12	HIGH CONDUCTIVITY COPPER	CONTACT AREA G/F, SOLDER AREA G/F OVER NI 50u" min
1	UP CONTACT	12	HIGH CONDUCTIVITY COPPER	CONTACT AREA G/F, SOLDER AREA G/F OVER NI 50u" min

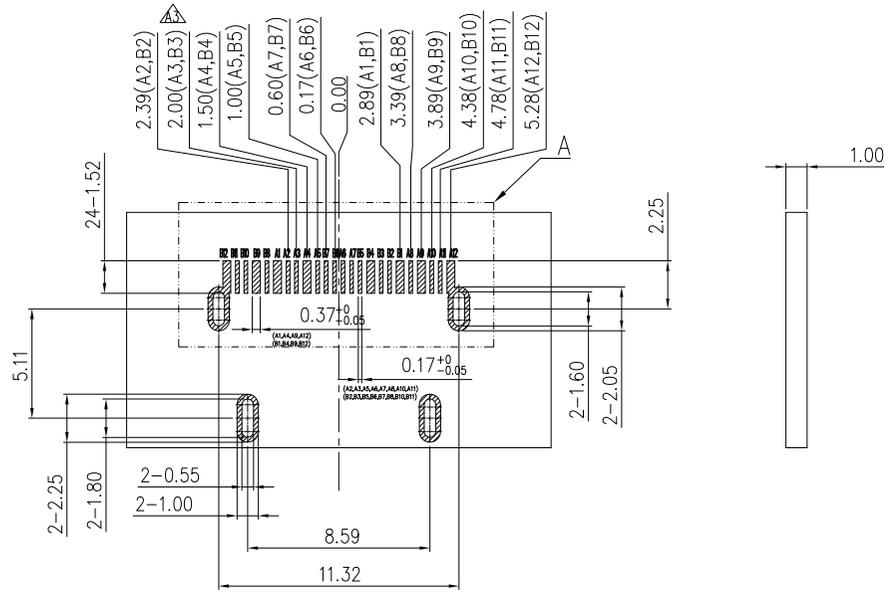


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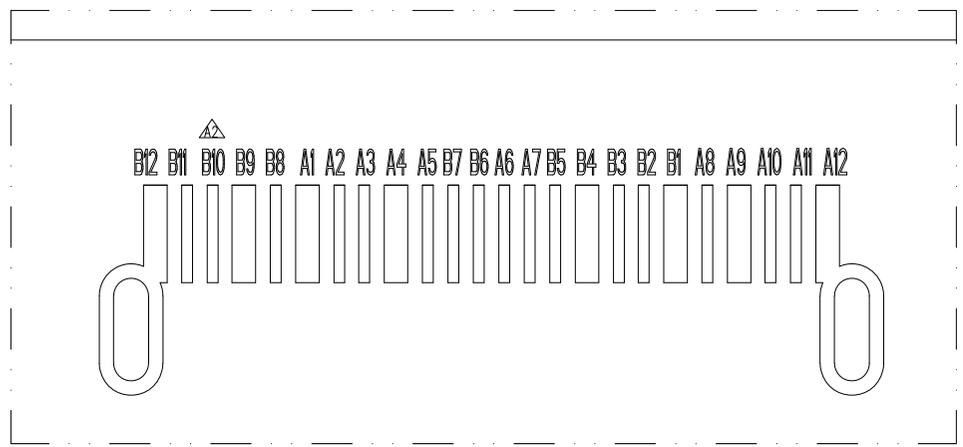
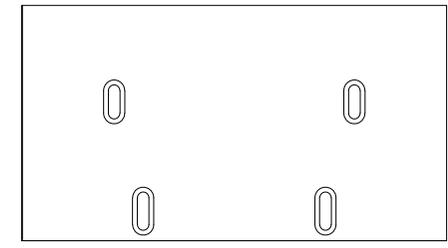
TOLERANCE: X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGLE: ±2°		DESIGN BY : Ken Lin	DATE : 2024/10/22	PART NAME: USB 3.2 GEN2 TYPE-C R/A FEMALE, 24 PIN SMT CH1.53	
UNIT: mm [inch]		CHECKED BY: Anson Cheng	DATE : 2024/10/22	PART NO.	MUSB12-01-408
SCALE: 1:1 SIZE: A4		APPROVED BY1: Richard Hsieh	DATE : 2024/10/22	MOLD NO.	NA
		APPROVED BY2: Richard Hsieh	DATE : 2024/10/22	DRAW NO.	
				SHEET NO.	1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/06/19	Ginny Liao
A1			Add depiction	2020/06/22	Hanson
A2			Modify drawing	2020/08/10	Ken Lin
A3			Modify drawing	2022/03/01	Ken Lin
A3.1			Modify drawing	2023/04/28	Ken Lin
A3.2			Modify drawing	2024/10/22	Ken Lin



RECOMMENDED P.C.B LAYOUT
TOP VIEW (TOLERANCE ±0.05)
 PAD AREA



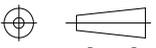
USB 3.1 CURRENT 5A@100W/20V MAX

PIN ASSIGNMENT											
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	SSTXp1	SSTXn1	VBUS	CC1	Dp1	Dn1	SBU1	VBUS	SSRXn2	SSRXp2	GND
GND	SSRXp1	SSRXn1	VBUS	SBU2	Dn2	Dp2	CC2	VBUS	SSTXn2	SSTXp2	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1





Matrix Electronics Co.,Ltd

TOLERANCE: X X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGLE: ±2°	DESIGN BY : Ken Lin	DATE : 2024/10/22	PART NAME: USB 3.2 GEN2 TYPE-C R/A FEMALE, 24 PIN SMT CH1.53
 UNIT: mm [inch] SCALE: 1:1 SIZE: A4	CHECKED BY: Anson Cheng	DATE : 2024/10/22	PART NO. MUSB12-01-408
	APPROVED BY1: Richard Hsieh	DATE : 2024/10/22	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2024/10/22	DRAW NO. SHEET NO.