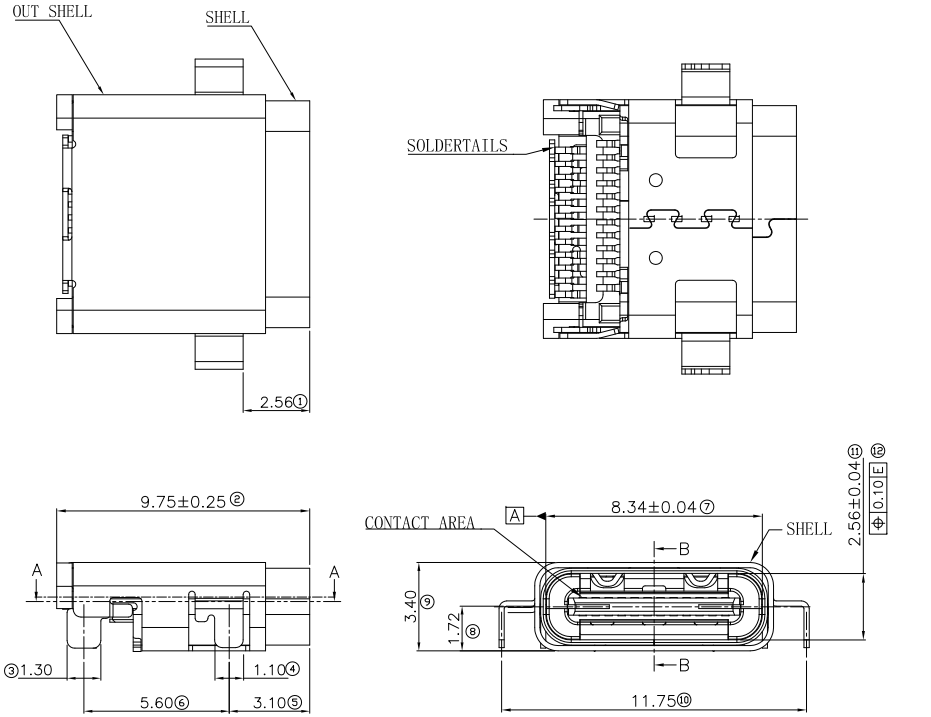
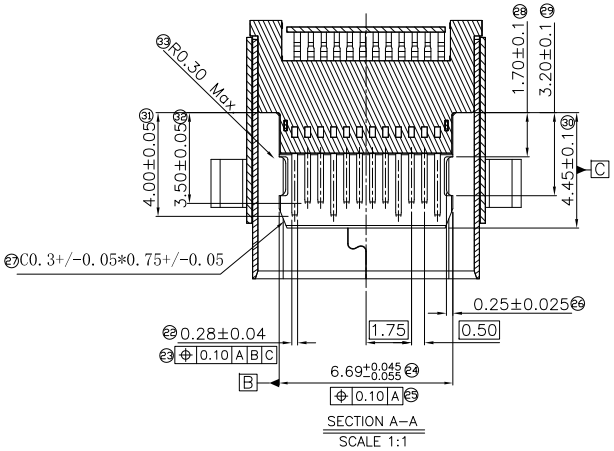
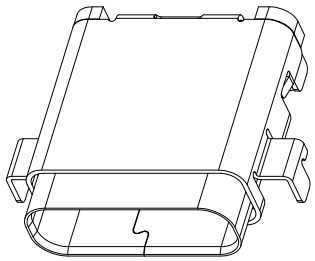
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/01/23	Phebe Su
A1			Add RATINGS	2015/06/22	Phebe Su
A2			Add tags	2016/05/09	Phebe Su







NOTES:

1. MATERIAL:

HOUSING: THERMOPLASTIC, UL94V-0, COLOR:BLACK

CONTACT:COPPER ALLOY

SHELL:STAINLESS STEEL

GUARD:STAINLESS STEEL

SPING:STAINLESS STEEL

2. Finish:

CONTACT:GOLD FLASH PLATING ON CONTACT AREA

GOLD FLASH PLATING ON SOLDERTAILS

80u"Min Ni UNDERPLATING OVER ALL

SHELL: 50u"Min NiPLATING OVER ALL.

2. PRODUCT SPECIFICATION:

VOLATAGE RATING:100V AC

INSULATION RESISTANCE:100MΩ

CONTACT RESISTANCE:40mΩ

INSERT FORCE:5-20N Max.

EXTRACT FORCE:8-20N Min.

DURABILITY: 10000 CYSLES

MATRIX PART NO:

MUSB 12 - 01 - 98

- MUSB: MATRIX USB
- 12: Pin Number
- 01: Plating (01:Gold Flash, 15:15u", 30:30u")
- 98: Series number

NO	VARIETY	QTY	METERIAL	REMARK

Matrix Electronics Co.,Ltd

TOLERANCE: X. / X.X ±0.25 / X.XX ±0.20 / X.XXX ±0.10 / ANGLE: ±3°	DESIGN BY: Phebe Su	DATE: 2016/05/09	PART NAME: USB 3.1 TYPE C Gen 2 Female R/A, Offset Type, CL 0.02
	CHECKED BY: Vicky Hsieh	DATE: 2016/05/09	PART NO. MUSB12-01-98
UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE: 2016/05/09	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE: 2016/05/09	DRAW NO.
SCALE:1:1	SIZE:A4		SHEET NO. 1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
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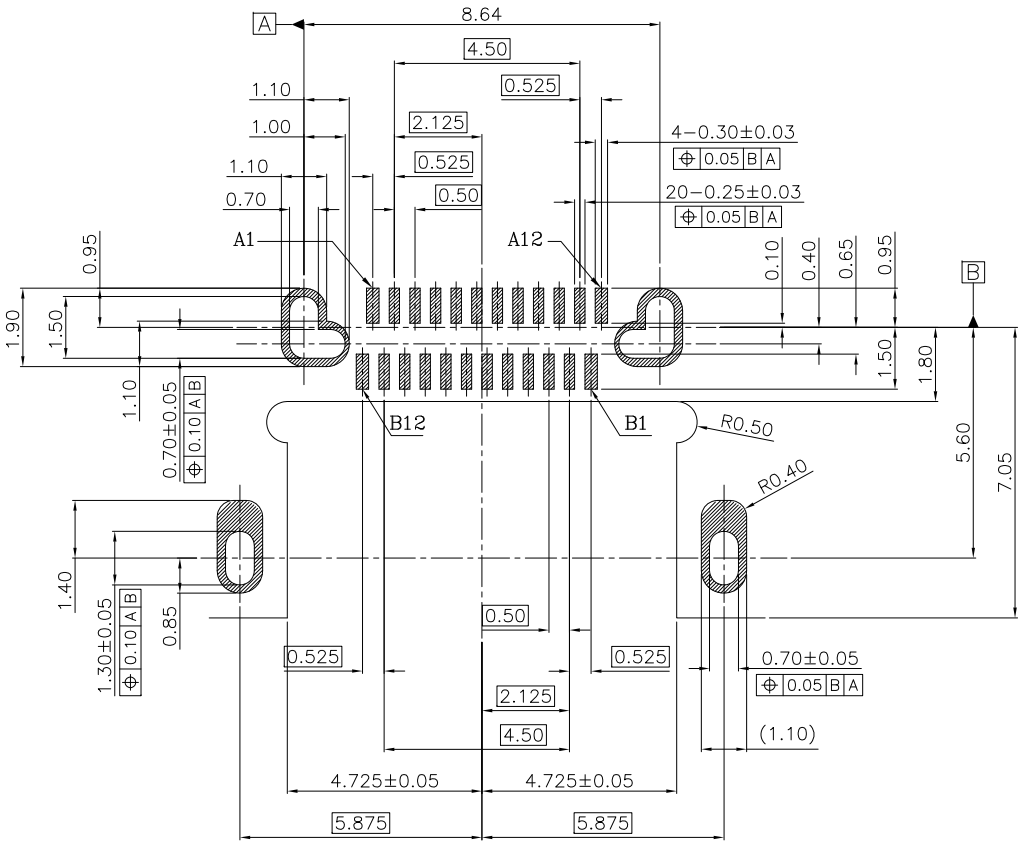

RECOMMEND PCB LAYOUT
(THICKNESS:1.00 OR 1.20mm)

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of firs SuperSpeed TX differential pair	B11	SSTXp1	Positive half of firs SuperSpeed TX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSTXn1	Negative half of first SuperSpeed TX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	CC1	Configuration Channel
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dp1	Positive half of the USB 2.0 differential pair-Position 1
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dn1	Negative half of the USB 2.0 differential pair-Position 1
A8	RFU1	Reserved for Future Use (RFU)	B5	RFU1	Reserved for Future Use (RFU)
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSRXn2	Negative half of second SuperSpeed RX differential pair
A11	SSRXn2	Positive half of second SuperSpeed RX differential pair	B2	SSRXn2	Positive half of second SuperSpeed RX differential pair
A12	GND	Ground return	B1	GND	Ground return

NO	VARIETY	QTY	METERIAL	REMARK

Matrix Electronics Co.,Ltd

TOLERANCE: X. X.X ±0.25 X.XX ±0.20 X.XXX ±0.10 ANGLE: ±3° UNIT: mm [inch]	DESIGN BY : Phebe Su	DATE : 2016/05/09	PART NAME: USB 3.1 TYPE C Gen 2 Female R/A, Offset Type, CL 0.02
	CHECKED BY: Vicky Hsieh	DATE : 2016/05/09	PART NO. MUSB12-01-98
	APPROVED BY1: Richard Hsieh	DATE : 2016/05/09	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2016/05/09	DRAW NO.
SCALE:1:1 SIZE:A4			SHEET NO. 2 OF 2