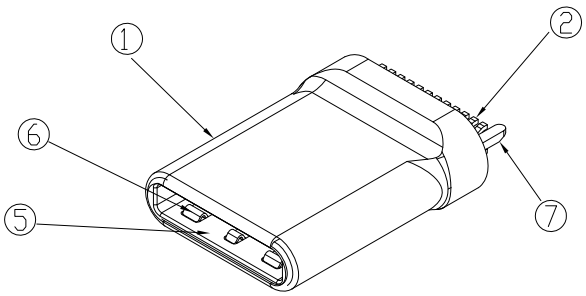
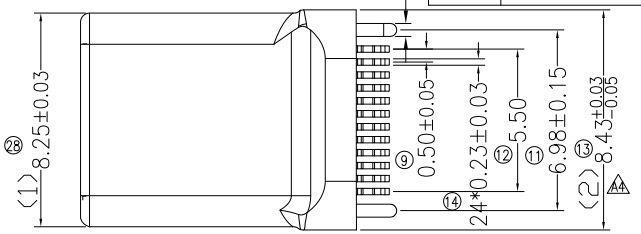
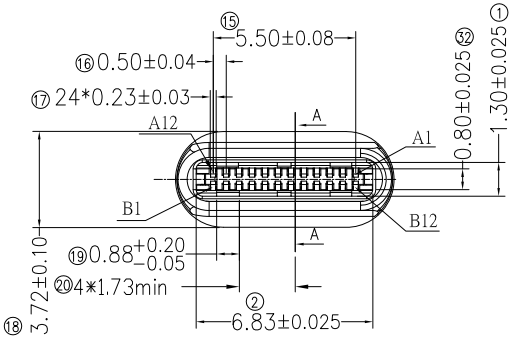
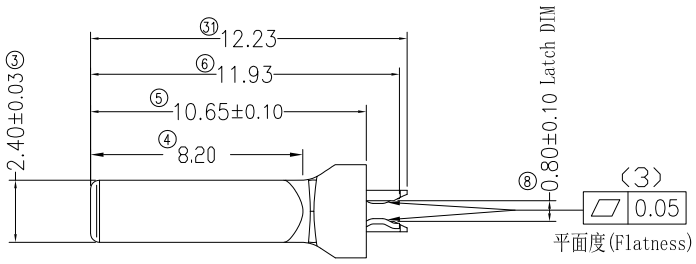
GP Component

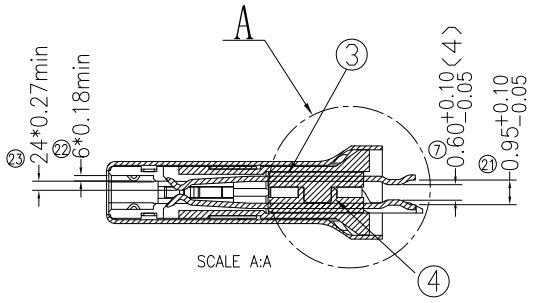
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/12/04	Summer Wang
A1			Update	2018/06/19	Phebe Su
A2			Update	2018/06/22	Phebe Su
A3			Update	2018/06/29	Summer Wang
A4			Change the mold to meet customer demand size	2018/07/10	Phebe Su

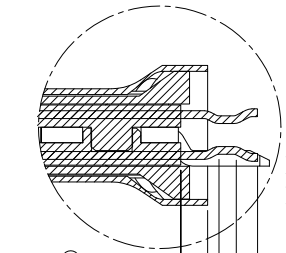




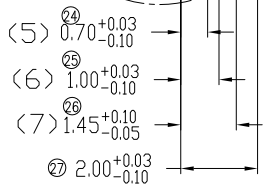








Local view A
Proportional 3:2



NOTES:
1.MATERIAL:SEE NOTES 1
2.ELECTRICAL CHARATERISTICS:
2.1 CURRENT RATING: 5.0A Max.
2.2 VOLATAGE RATING: AC 20V
2.3 INSULATION RESISTANCE:100 MOHM MIN 250V DC
2.4 CONTACT RESISTANCE: 20 mOHM MAX
2.5 DIELECTRIC STRENGTH 250V AC,5±0.5S
3.MACHINE CHARACTERISTICS:
3.1 INSERT FORCE: 5N TO 20N
3.2 EXTRACT FORCE: 1-1000 CYCLES:8-20N
AFTER 10000 CYCLES:6-20N
3.3 DURABILITY: 10000 CYSLES
⚠3 4.SOLDERABILITY:260°±5° FOR 5s
5.OPERATING TEMPERATURE:-30°C~85°C
6.STORAGE TEMPERATURE:-45°C~85°C
7."(*)" SHOWS QIP INSPECTION ITEM.
8."Ⓧ" SHOWS FIRST ARTICLE INSPECTION ITEM.

NOTES 1:

ITEM	DESCRIPTION	MATERIAL	SURFACE&COLOR	QTY.N	REMARK
⑧	Stopper	LCP	Black	1PCS	Molding
⑦	Lock Catch	SUS 304-H	Ni plating Over ALL	1PCS	
⑥	EMI Spring	SUS 304	NO plating	2pcs	
⑤	Housing	LCP	Black	1PCS	
④	Down Molding	LCP	Black	1pcs	Molding
③	Top malding	LCP	Black	1pcs	Molding
②	Contact	Copper alloy	Contact Area Au plating:soldering Area Tin plating; Ni Plating Over ALL	24 Pin	
①	Shell	SUS 304	plating Ni	1pcs	

MATRIX PART NO:

MUSB 12 - 10 - 280

MATRIX USB
12PIN symmetry
Plating 10:10u"
Series number

A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1
GND	RX2+	RX2-	Vbus	SBU1	D-	D+	CC	Vbus	TX1-	TX1+	GND
GND	TX2+	TX2-	Vbus	Vconn	D+	D-	SBU2	Vbus	RX1-	RX1+	GND
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12

Matrix Electronics Co.,Ltd

TOLERANCE: X. ±1 / X.X ±0.20 / X.XX ±0.15 / X.XXX ±0.10 / ANGLE: ±1°	DESIGN BY : Phebe Su	DATE : 2018/07/10	PART NAME: USB 3.1 C TYPE PLUG
	CHECKED BY: Janice Liu	DATE : 2018/07/10	PART NO. MUSB12-10-280
UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2018/07/10	MOLD NO. NA
SCALE:1:1 SIZE:A4	APPROVED BY2: Richard Hsieh	DATE : 2018/07/10	DRAW NO.
			SHEET NO. 1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
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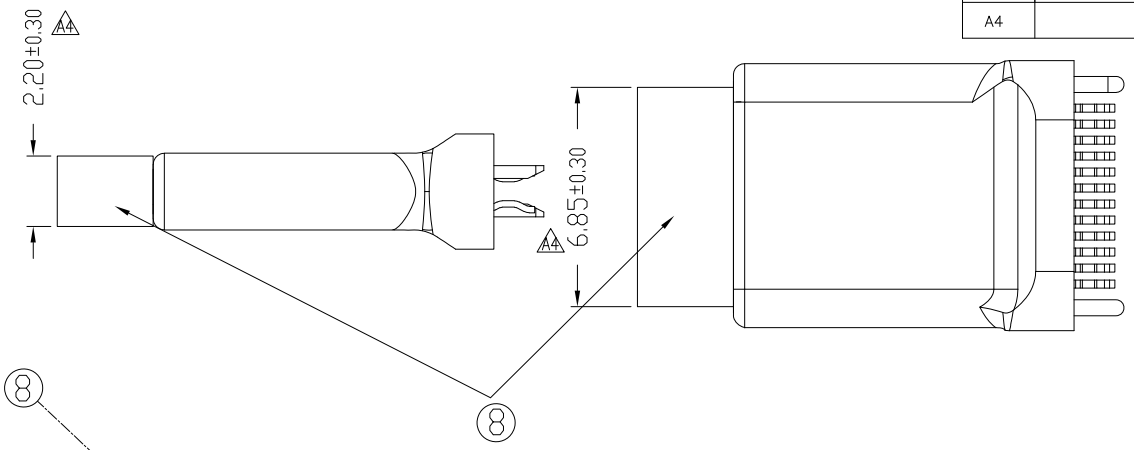

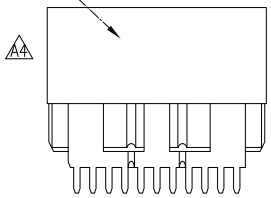

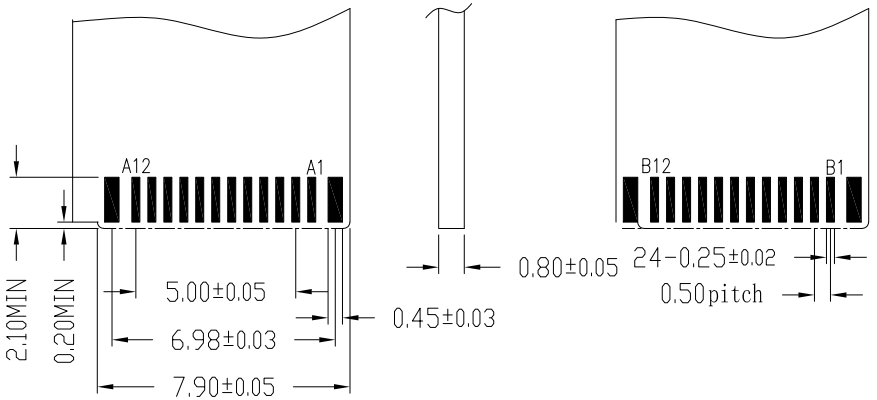

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④	Down Molding	LCP	Black	1pcs	Molding
③	Top molding	LCP	Black	1pcs	Molding
②	Contact	Copper alloy	Contact Area Au plating:soldering Area Tin plating; Ni Plating Over ALL	24 Pin	
①	Shell	SUS 304	plating Ni	1pcs	

PCB REFERENCE DESIGN

A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1
GND	RX2+	RX2-	Vbus	SBU1	D-	D+	CC	Vbus	TX1-	TX1+	GND
GND	TX2+	TX2-	Vbus	Vconn	D+	D-	SBU2	Vbus	RX1-	RX1+	GND
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12

Matrix Electronics Co.,Ltd

TOLERANCE: X. ±1 / X.X ±0.20 / X.XX ±0.15 / X.XXX ±0.10 / ANGLE: ±1°	DESIGN BY : Phebe Su	DATE : 2018/07/10	PART NAME: USB 3.1 C TYPE PLUG	
UNIT: mm [inch]	CHECKED BY: Janice Liu	DATE : 2018/07/10	PART NO.	MUSB12-10-280
	APPROVED BY1: Richard Hsieh	DATE : 2018/07/10	MOLD NO.	NA
SCALE:1:1 SIZE:A4	APPROVED BY2: Richard Hsieh	DATE : 2018/07/10	DRAW NO.	
			SHEET NO.	2 OF 2