

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/08/02	Summer Wang

NOTES:

- 1.MATERIAL: SEE "TABLE 1"
- 2.FINISH: SEE "TABLE 1"
- 3.MECHANICAL:
INSERTION: 5~20N.
EXTRACTION: 6~20N AFTER TEST.
DURABILITY: 10000 CYCLES
- 4.ELECTRICAL:
CURRENT: 5A FOR COLLECTIVELY POWER SUPPLY
1.25A FOR VCONN PIN;
0.25A FOR OTHER SIGNAL PIN.
WITHSTANDING VOLTAGE: 100V AC R.M.S.
CONTACT RESISTANCE: 40mΩ MAX.
INSULATION RESISTANCE: 100MΩ MIN.
- 5.ENVIRONMENTAL
TEMPERATURE RANGE -40°C ~ +85°C

MATRIX PART NO:

MUSB12-01-256

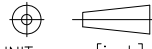
MATRIX USB

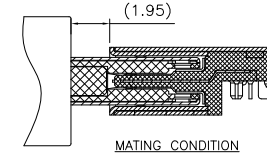
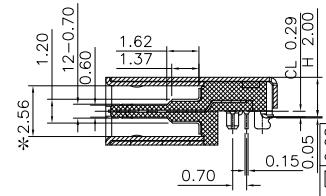
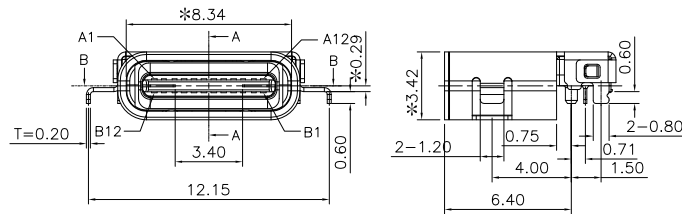
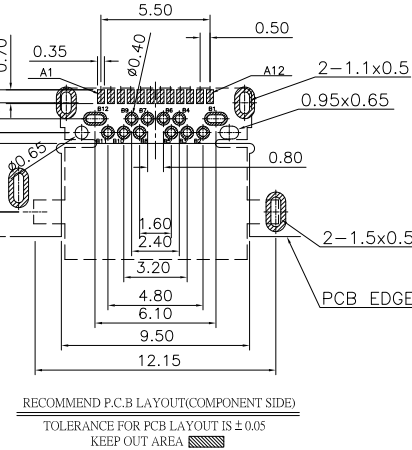
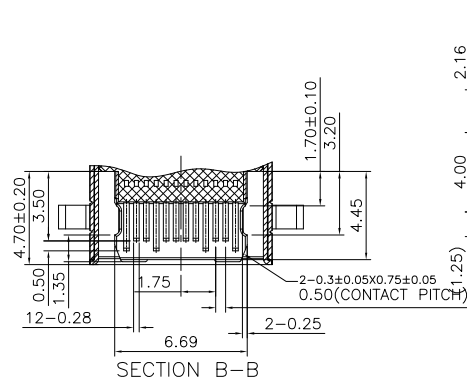
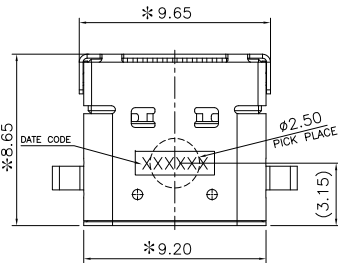
Pin Number

Plating series number
01:Gold Flash
15:15u"
30:30u"

MATING CONDITION

TABLE 1:

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence	6	MID PLATE	1	STAINLESS STEEL t=0.10	N/A
A1	GND	First	B12	GND	First	5	COVER SHELL-B	1	STAINLESS STEEL t=0.10	Ni PLATED
A2	SSTXp1	Second	B11	SSRXp1	Second	4	COVER SHELL-A	1	COPPER ALLOY t=0.20	Ni PLATED
A3	SSTXn1	Second	B10	SSRXn1	Second	3	SHELL	1	STAINLESS STEEL t=0.20	Ni PLATED
A4	V _{BUS}	First	B9	V _{BUS}	First	2	CONTACT	1SET	COPPER ALLOY t=0.15	Ni All Area, Sn On Solder Tail, Gold Flash On Contact Area.
A5	CC1	Second	B8	SBU2	Second	1	INSULATOR	1	HIGH TEMP.THERMOPLASTIC	UL94V-0 BLACK
A6	Dp1	Second	B7	Dn2	Second	LTR	PART NAME	QTY	MATERIAL	REMARK
A7	Dn1	Second	B6	Dp2	Second	 Matrix Electronics Co.,Ltd				
A8	SBU1	Second	B5	CC2	Second					
A9	V _{BUS}	First	B4	V _{BUS}	First	TOLERANCE: X.X ±0.3 X.XX ±0.25 X.XXX ±0.2 ANGLE: ±3°		DESIGN BY :	DATE :	PART NAME:
A10	SSRXn2	Second	B3	SSTXn2	Second			Summer Wang	2017/08/02	USB 3.1 Gen 2 Type C Female R/A, Offset type, CL 0.29
A11	SSRXp2	Second	B2	SSTXp2	Second			CHECKED BY:	DATE :	PART NO.
A12	GND	First	B1	GND	First			Vicky Hsieh	2017/08/02	MUSB12-01-256
SHELL	GND		SHELL	GND		UNIT: mm [inch]		APPROVED BY1:	DATE :	MOLD NO.
						SCALE:1:1 SIZE:A4		Richard Hsieh	2017/08/02	NA
								APPROVED BY2:	DATE :	DRAW NO.
								Richard Hsieh	2017/08/02	SHEET NO.
										1 OF 1



SECTION A-A

