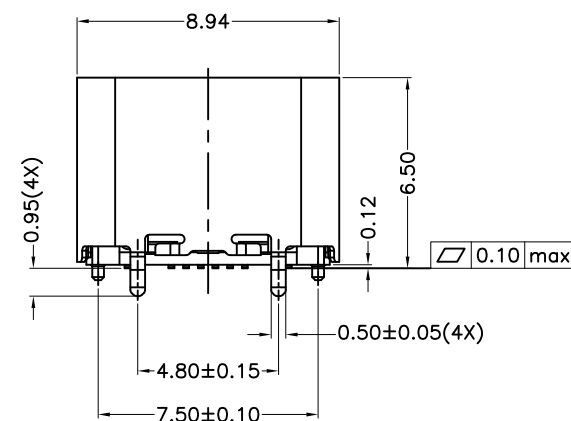
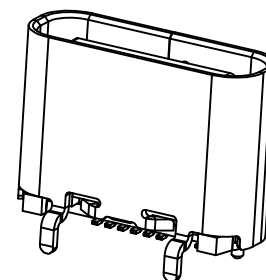
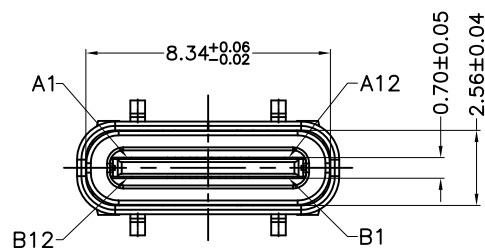
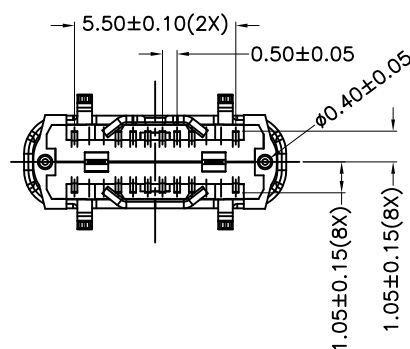
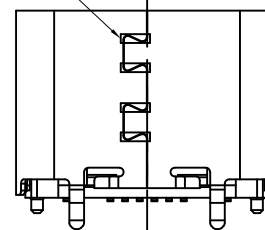


Riveting points(4X)



A4Q1605-A-XX-R

Mating Area plating

01: Au 1u"Min.
03: Au 3u"Min.
05: Au 5u"Min.
10: Au 10u"Min.
15: Au 15u"Min.
30: Au 30u"Min.

NOTE:

1.MATERIAL SPECIFICATION:

- 1-1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC(LCP),
UL94 V-0. COLOR:BLACK.
1-2.CONTACTS:COPPER ALLOY(C18150)T=0.12mm
1-3.MID PLATE: STAINLESS STEEL(SUS301)T=0.15mm
1-4.SHELL: STAINLESS STEEL(SUS304)T=0.30mm

2.PLATING SPECIFICATION:

- 2-1.CONTACTS:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE MATING AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
2-2.SHELL:
Ni 30u" MIN. UNDER PLATED OVER ALL.
2-3.MID PLATE:
CLEAR ONLY

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 0.5~2.0kgf.
3-2.EXTRACTION FORCE: 0.8kgf~2.0kgf.
0.6kgf~2.0kgf. AFTER DURABILITY TEST.

3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

- 4-1. CURRENT RATING:5.0A
VOLTAGE RATING:5.0V
4-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
4-3.INSULATION RESISTANCE: 100MΩ MIN
4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

7. ROHS and HF COMPLIANT.

X3	TE2020-XXXX	Change from C1814 to 18150	Mike	2020/03/05
X2	TE2020-XXXX	Change from Matt Tin to GF	Mike	2020/02/25
X1	TE2019-XXXX	New Drawing	Mike	2019/11/27
REV	ECN NO	DESCRIPTION	DESIGN	DATE

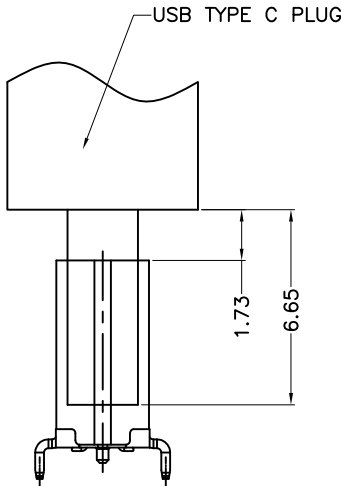
Item	Title	Material	Dispose	Remark
1	Shell	Stainless Steel	Ni:30u" Min.	
2	Mid Plate	Stainless Steel	Clear Only	
3	Top Contact	Copper Alloy	Mating Area: See P/N	
4	Bottom Contact	Copper Alloy	Solder Tails: GF	
5	Insulator	High Temperature Plastic	UL 94V-0	Black

X. ± 0.35	APPD:	Lebon Lee	TITLE:	
.X ± 0.25	CHKD:		USB C F 16PIN	
.XX ± 0.15			VERTICAL W/O	
.XXX±	DR:	Mike	EMI SPRING,H6.5	
X* ± 2°	UNITS:	mm	PART NO:	
.X* ± 1.5°	SCALE:	4:1	A4Q1605-A-XX-R	
			DWG NO:	
			C-A4Q1605-A-XX-R	
			CUSTOMER DRAWING	SHEET: 1 OF 2
				REV: X3

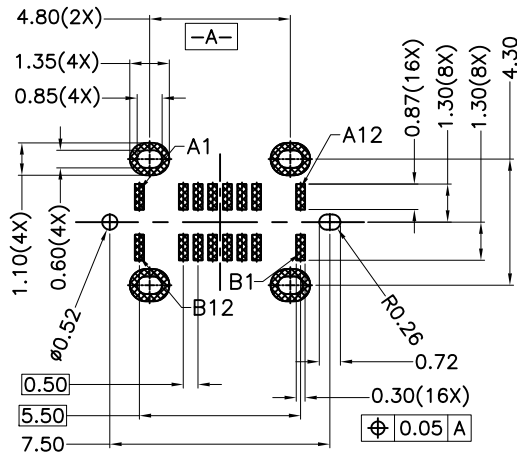
A
B
C
D
E
F

12345678910

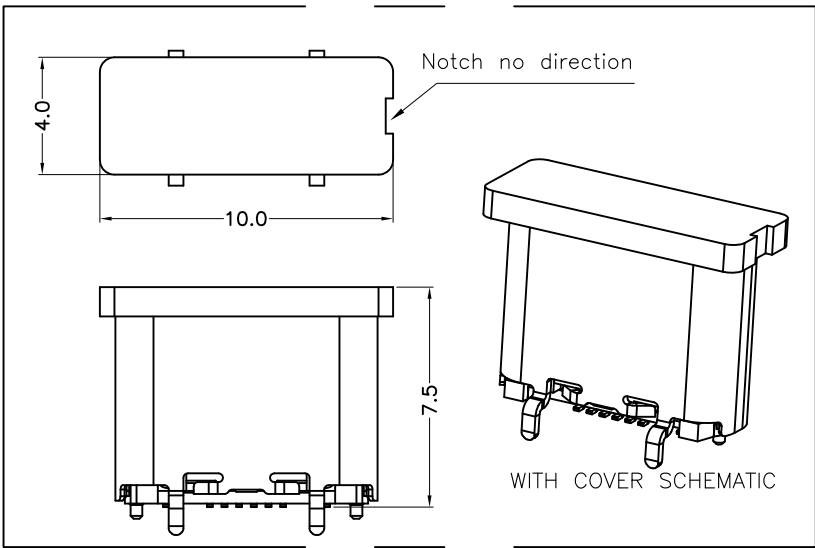
THE PART MEETS TECONN "GP001" COMPLIANCE NEW REV.



FEMALE AND MALE MATCHING DRAWING



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05



USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBus	B9	VBus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBus	B4	VBus
A12	GND	B1	GND

X3	TE2020-XXXX	Change from C1814 to 18150	Mike	2020/03/05
X2	TE2020-XXXX	Change from Matt Tin to GF	Mike	2020/02/25
X1	TE2019-XXXX	New Drawing	Mike	2019/11/27
REV	ECN NO	DESCRIPTION	DESIGN	DATE

X. ± 0.35	APPD: Lebon Lee	TITLE: USB C F 16PIN VERTICAL W/O EMI SPRING,H6.5	
.X ± 0.25	CHKD: /		
.XX ± 0.15	DR: Mike	PART NO: A4Q1605-A-XX-R	CUSTOMER DRAWING SHEET: 20F2 REV: X3
.XXX±		DWG NO: C-A4Q1605-A-XX-R	
X* ± 2°	UNITS: mm	SCALE: 4:1	
.X* ± 1.5°			

12345678910