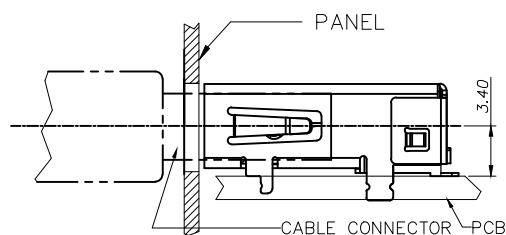
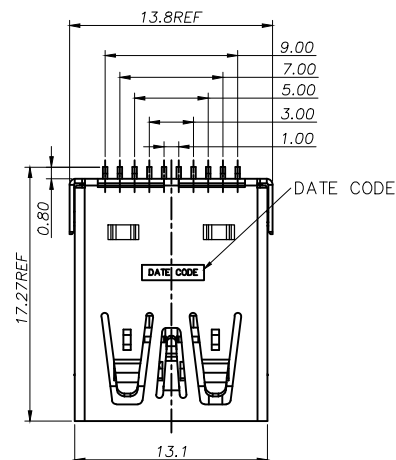
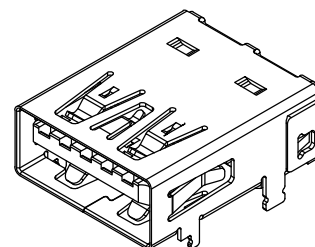


REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
02	--	CHANGE APPEARANCE	2019.07.21	HL.W
03	--	Add plating description	2019.08.16	YIN



RECESSED MOUNTING CONFIGURATION

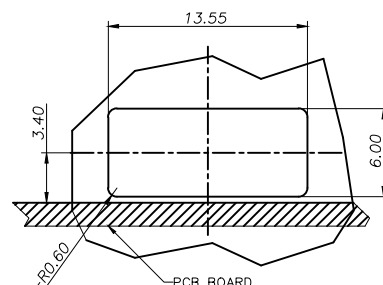
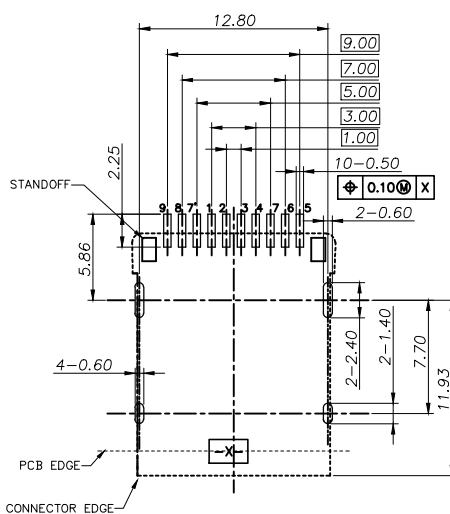
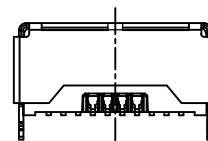
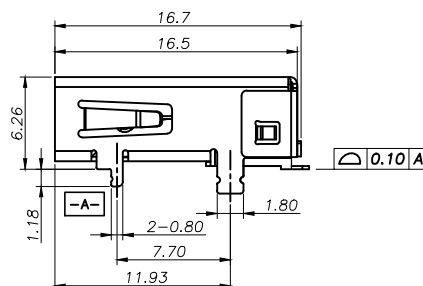
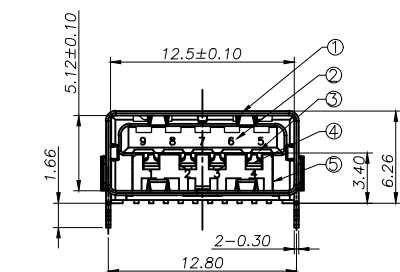


NOTES :

- ELECTRICAL CHARACTERISTICS :
 - CONTACT CURRENT RATING :
1.8 A FOR VBUS PIN AND ITS CORRESPONDING GND PIN,
0.25 A MIN FOR ALL OTHER CONTACTS.
 - CONTACT RESISTANCE :
INITIAL 30 MILLIOHMS MAX FOR VBUS AND GND CONTACTS.
INITIAL 50 MILLIOHMS MAX FOR ALL OTHER CONTACTS.
AFTER DURABILITY 10 MILLIOHMS MAX CHANGE.
 - DIELECTRIC WITHSTANDING VOLTAGE: 100 VAC MIN.
 - INSULATION RESISTANCE : 100 MEGOHMS MIN.
- MECHANICAL CHARACTERISTICS :
 - CONNECTOR MATING FORCE : 35 N MAX.
 - CONNECTOR UNMATING FORCE: 10N MIN INITIAL,
8N MIN AFTER DURABILITY.
 - DURABILITY: 5000 CYCLES.
 - OPERATING TEMPERATURE : -55°C TO +85°C
- DIMENSIONS ARE IN MILLIMETERS, BRACKETED DIMENSIONS ARE INCHES EQUIVALENTS.
- RECOMMENDED PROCESS: IR REFLOW PEAK TEMPERATURE 260°C±5°C, FOR A DURATION OF 20~40 SECONDS.
- THE CONNECTOR IS ROHS COMPLIANT.

PIN ASSIGNMENT:

Pin No.	1	2	3	4	5	6	7	7'	8	9
Signal Name	VBUS	D-	D+	GND	SSRX-	SSRX+	GND_DRAIN	SSTX-	SSTX+	
Remark	USB2.0 Contact Pin					USB3.1 Contact Pin				

MOUNTING PANEL CUTOUT
(INTERNAL SIDE)

RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

PCB THICKNESS: 1.20±0.05mm
DEFAULT TOLERANCE: ±0.05

03

⑤	FRAME	1	LCP UL 94V-0	MOLDED COLOR: BLACK.		
④	USB2.0 CONTACT	4	COPPER ALLOY	50u"min NICKEL UNDERPLATED OVERALL, LEAD FREE 80u"min TIN ALLOY AT TERMINATION, Au:15u" Min AT CONTACT AREA,		
③	USB3.1 CONTACT	5	COPPER ALLOY			
②	INNER INSULATOR	1	LCP UL 94V-0	MOLDED COLOR: BLACK.		
①	SHELL	1	STAINLESS STEEL	50u"min NICKEL PLATED OVERALL, TAB WITH LEAD FREE TIN ALLOY.		
NO.	DESCRIPTION	QTY.	MATERIAL	TREATMENT		
DIM	TOL	DIM	DEG	JOINSOO建舜電子		
X	±0.50	X°	±8°			
X.X	±0.35	X.X°	±5°			
X.XX	±0.25	X.XX°	±3°			
X.XXX	±0.15	X.XXX°	±2°			
DESIGN:	YIN	2019.08.16	FILE:		DRAW NAME:	
CHECK:			DRAW NO.		USB3.1 RIGHT ANGLE SMT CONN.	
			P/N:12HU-A03B-A819BR			
			UNIT: mm	SCALE: 1:1	MODEL:	
APPROVED			REV: 03	SHEET: 1/1		