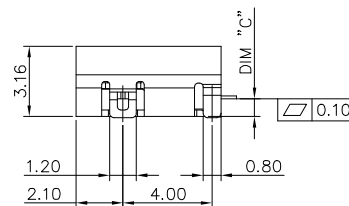


SECTION: A-A



NOTE:

- MATERIAL SPECIFICATION:
 - HOUSING: HIGH TEMPERATURE PLASTIC, UL94 V-0, BLACK.
 - TERMINAL: COPPER ALLOY
 - MID PLATE: STAINLESS STEEL
 - FRONT SHELL: STAINLESS STEEL
- PLATING SPECIFICATION:
 - TERMINAL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
THE FUNCTIONAL AREA OF CONTACT: REFER THE PART NUMBER.
Au 1u" PLATING SPECIFICATIONS OF THE SOLDER AREA
 - FRONT SHELL:
Ni 50u" PLATING
 - MID PLATE:
CLEAR ONLY
- MECHANICAL PERFORMANCE,
 - INSERTION FORCE: 0.5kgf~2.0kgf.
 - REMOVAL FORCE: 0.8kgf~2.0kgf.
 - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE,
 - VOLTAGE RATING: 5 V DC/AC (RMS. max)
CURRENT RATING: 5 AMPS. FOR TOTAL VBUS/GND PINS;
1.25AMPS FOR CC PIN, 0.25 AMPS. FOR ALL OTHER CONTACT.
 - LLCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - INSULATION RESISTANCE: 100MΩ MIN.
 - DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
- ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25° C~+85° C.
- IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260° C.
- PRODUCT PART NUMBER DESCRIPTION:
10174570 - 0 0 X X X L F

STYLE: A, B, C, (REFER THE TABLE)

STYLE	DIM "A"	DIM "B"	DIM "C"
A	0.82	0.85	0.80
B	1.02	0.85	1.00
C	1.62	0.70	1.60

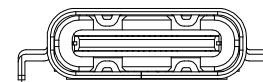
LEAD FREE

PACKING TYPE:

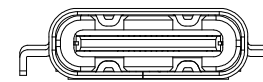
1: TAPE/REEL

CONTACT AREA PLATING

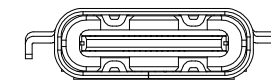
1: 3u" GOLD



STYLE A

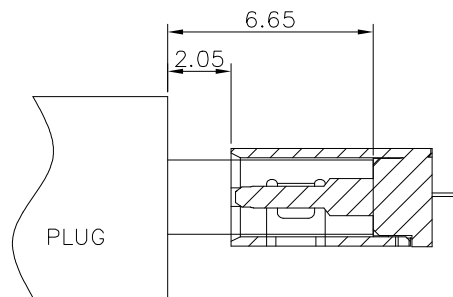


STYLE B



STYLE C

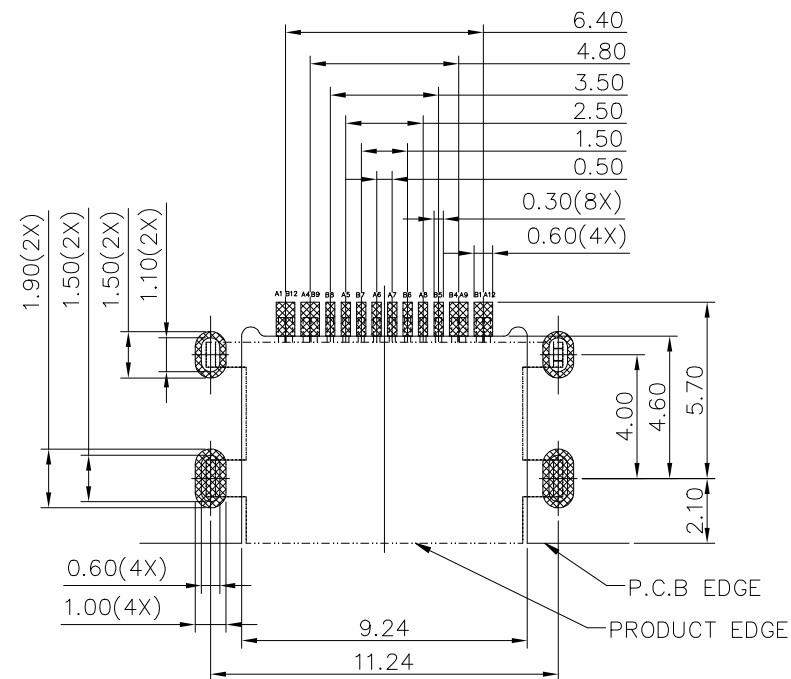
mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family USB			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title			
A	-	TY	2024/02/28	angles	linear		USB TYPE C 16P SINK SMT TYPE			
				0°±2'	.XX±.25 .XXX±.15	scale 1:1	dwg no			
				dr	Tian-Yu Tang	2023/10/26	sheet 1 of 2			
				engr	Tian-Yu Tang	2023/10/26	10174570			
				chr	L-Q Lei	2023/10/26	A3			
				appd	Tim Yao	2023/10/26	type Product Customer Drawing			
sheet index	revision	sheet								



AFTER MATING

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



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.80MM;DEFAULT TOLERANCE: ± 0.05

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 1101	product family USB			
ltr	ecn	no	dr	date	tolerances unless otherwise specified	mm	title			
A					angles linear	mm	USB TYPE C 16P SINK SMT TYPE			
					0°±2°	scale 1:1	dwg no			
					dr Tian-Yu Tang 2023/10/26		sheet2 of 2			
					engr Tian-Yu Tang 2023/10/26		10174570			
					chr L-Q Lei 2023/10/26		type Product Customer Drawing			
					appd Tim Yao 2023/10/26					
sheet index	revision sheet									