



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

NOTE:

1. MATERIAL SPECIFICATION:
 1. HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC(LCP), UL94 V-0.
 2. CONTACTS: COPPER ALLOY, T=0.12mm
 3. MID PLATE: STAINLESS STEEL, T=0.20mm
 4. SHELL: STAINLESS STEEL, T=0.30mm
2. PLATING SPECIFICATION:
 - 2-1. CONTACTS:
 - Ni 50u" MIN. UNDER PLATED OVER ALL.
 - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
 - (GOLD PLATING THICKNESS FOLLOW THE P/N)
 - PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - 2-2. FRONT SHELL&OUTER SHELL:
 - Ni 30u" MIN. UNDER PLATED OVER ALL.
 - 2-3. MID PLATE:
 - Ni 30u" MIN. UNDER PLATED OVER ALL.
 - Sn 80u"MIN. PLATED OVER ALL
3. MECHANICAL PERFORMANCE,
 - 3-1. INSERTION FORCE: 0.5~2.0kgf.
 - 3-2. EXTRACTION FORCE: 0.8kgf~2.0kgf.
 - 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. PRODUCT SPECIFICATION: GS-12-1588.

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

mat'l. code				surface tolerance ISO 1302 ✓ ISO 406 ISO 1101			projection 		product family HPL 511			
litr ecn no dr date				tolerances unless otherwise specified			mm 		title			
B	ELX-N-36945	YY	2020/05/08	angles linear		.0±.35	scale 1:1		USB Type C Female SINK TYPE 16PIN			
						.00±.25						
				0°±2'		.000±.15						
				dr	Yuan-Yuan Bao	2020/05/08			dwg no		sheet 1 of 1	size
				engr	Yuan-Yuan Bao	2020/05/08			10155679		A3	
				chr	Li-Qing Lei	2020/05/08						
				appd	Tim Yao	2020/05/08			type		Product Customer Drawing	
sheet index		revision sheet										