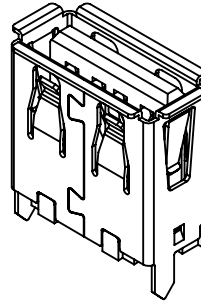
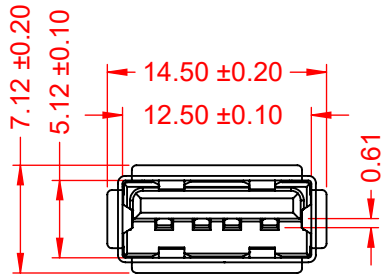


TOLERANCE UNLESS OTHERWISE SPECIFIED	
.X	±0.25
.XX	±0.13
.XXX	±0.05

THIS IS A C.A.D. GENERATED DRAWING  
DO NOT MAKE MANUAL REVISIONS TO MASTER.

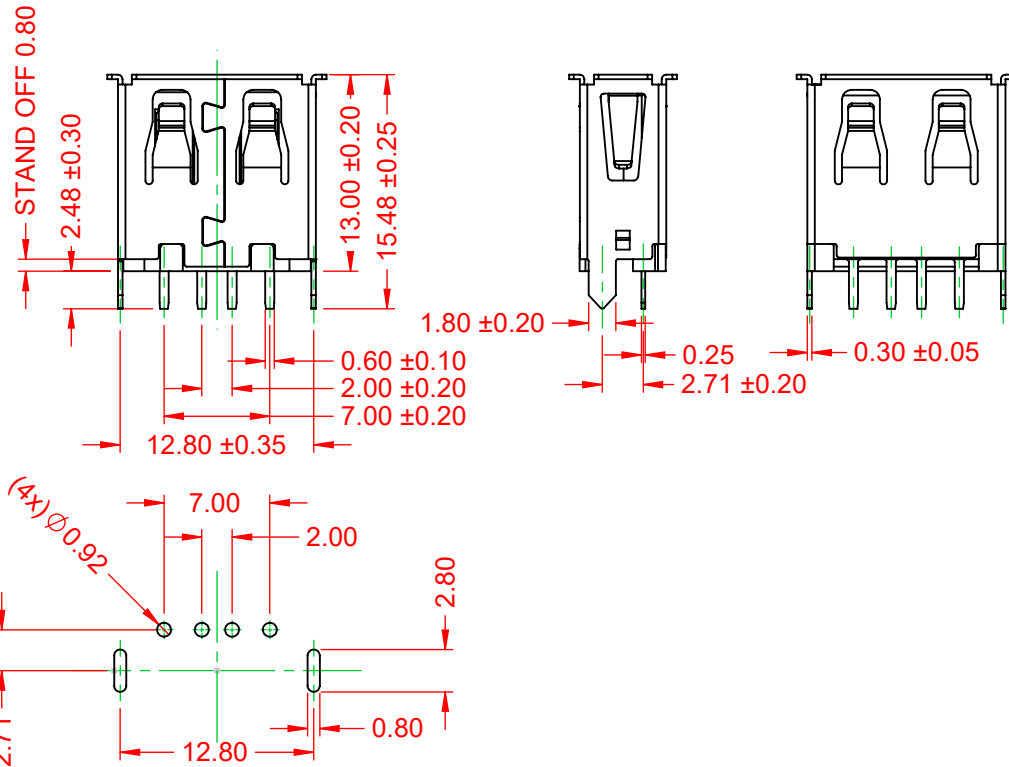


ISSUE NUMBER	
ORIGINAL	①



**NOTES:**

- MATERIAL:** SPCC, T=0.30±0.02mm  
**SHELL:** 50µ", MIN NICKEL PLATED OVERALL  
**SHELL PLATING:** COPPER ALLOY, T = 0.25 ±0.02mm  
**TERMINAL:** GOLD-FLASH PLATED ON CONTACT AREA, 80µ" MIN BRIGHT-TIN ON SOLDER TAIL, 50µ" MIN. NICKEL UNDERPLATED OVERALL  
**TERMINAL PLATING:** HIGH THERMOPLASTIC, NATURE HF. UL94V-0
- HOUSING:**
- ELECTRICAL:**  
**RATED VOLTAGE:** 30V rms MAX.  
**RATED CURRENT:** 1.5AMP  
**INSULATION RESISTANCE:** 1000MΩ MIN. 500V DC, TEST TIME: 1 SEC. MIN.  
**CONTACT RESISTANCE:** 30mΩ MAX.  
**DIELECTRIC WITHSTANDING VOLTAGE:** 500V AC, TEST TIME: 1 SEC. MIN.
- ENVIRONMENTAL:**  
**OPERATING TEMPERATURE:** -40°C TO +85°C  
**STORAGE TEMPERATURE:** -20°C TO +60°C  
**RELATIVE HUMIDITY (%):** 20% TO 70%  
**STORAGE LIFE:** 6 MONTHS MAX  
**SALT SPRAY:** 12H
- MECHANICAL:**  
**INSERTION FORCE:** 35N MAX.  
**EXTRACTION FORCE:** ≥8N (1 TO 5 CYCLES)  
 ≥5N (6 TO 1500 CYCLES)  
**DURABILITY:** 1500 CYCLES  
**THE PEAK OF TEMPERATURE ON SOLDERING:** 260±5°C 5 TO 10S



RECOMMENDED P.C.B. HOLE LAYOUT  
TOP VIEW (TOLERANCE: ±0.10)



THIS SERIES FULLY CONFORMS TO  
THE EUROPEAN UNION DIRECTIVES  
2011/65/EU FOR RoHS COMPLIANCY.

690 SERIES, USB 2.0 TYPE-A RECEPTACLE VERTICAL PCB		ACAD REFERENCE NO.: 690E104-241-400	
DRAWN: P.M.		DATE: DEC. 16/2020	
CHECKED: C.B.		DATE: DEC. 16/2020	
SCALE: 2:1		SHEET 1 OF 1	
DRAWING NUMBER: 690E104-241-400			ISSUE
PART NUMBER: 690E104-241-400			1



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TORONTO, ONTARIO  
CANADA  
YOUR CONNECTION TO QUALITY & SERVICE

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