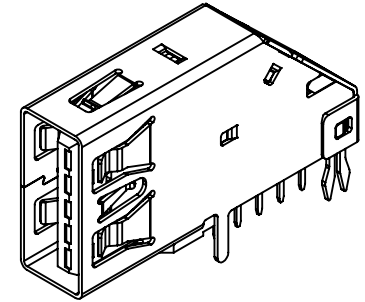
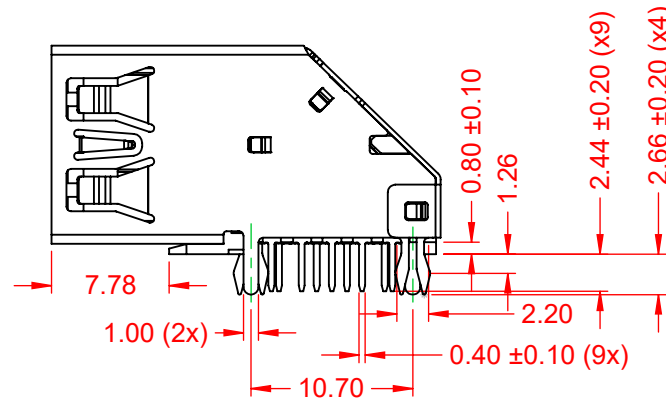
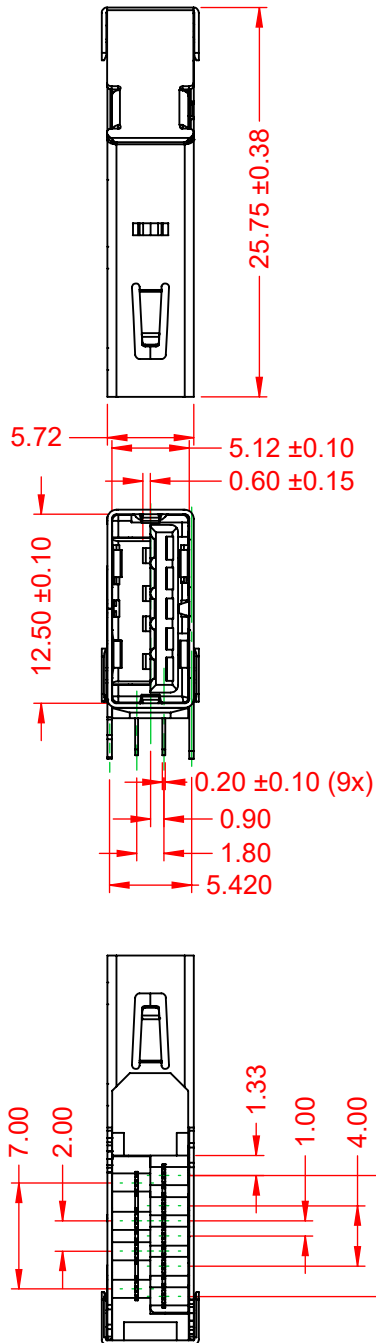


TOLERANCE UNLESS OTHERWISE SPECIFIED	
.X	±0.25
.XX	±0.13
.XXX	±0.05

THIS IS A C.A.D. GENERATED DRAWING  
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ISSUE NUMBER	
ORIGINAL	①



**NOTE:**  
**ELECTRICAL SPECIFICATIONS:** 30V MAX.  
**VOLTAGE RATING:** 1.8A FOR PIN 1 & PIN 4  
**CURRENT RATING:** 30mΩ MAX. INITIAL FOR VBUS AND GND CONTACTS  
**CONTACT RESISTANCE:** 50mΩ MAX. INITIAL FOR ALL OTHER CONTACTS

**INSULATOR RESISTANCE:** 100MΩ min.  
**DIELECTRIC WITHSTANDING VOLTAGE:** 100V AC  
**OPERATING TEMPERATURE:** -40 °C ~ 85 °C  
**STORAGE TEMPERATURE:** -20 °C ~ 60 °C

**MATERIAL & FINISH:**  
**SHELL:** STAINLESS STEEL, T=0.30, NICKEL PLATING  
**HOUSING:** LCP, BLUE IN COLOUR, UL94V-0  
**CONTACTS:** COPPER ALLOY, T=0.20, TIN PLATING ON SOLDER TAILS, GOLD FLASH PLATING ON CONTACT AREA

690 SERIES RECEPTACLES USB 3.0 TYPE-A UPRIGHT R/ANGLE		ACAD REFERENCE NO.: 690D109-X39-212	
		DRAWN: C.B	DATE: December 17, 2020
CHECKED:	DATE:		
SCALE: 2:1	SHEET 1 OF 2		
DRAWING NUMBER: 690D109-X39-212	ISSUE		
PART NUMBER: 690D109-239-212	1		



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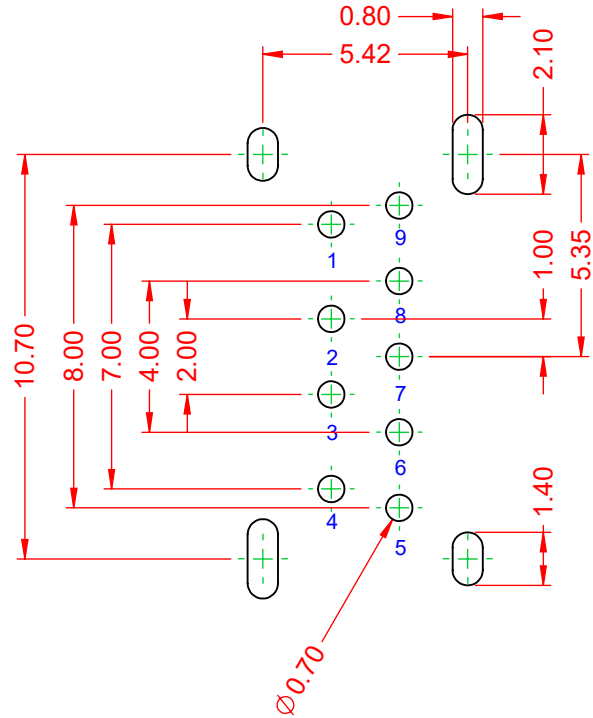
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TOLERANCE UNLESS OTHERWISE SPECIFIED	
.X	±0.25
.XX	±0.13
.XXX	±0.05

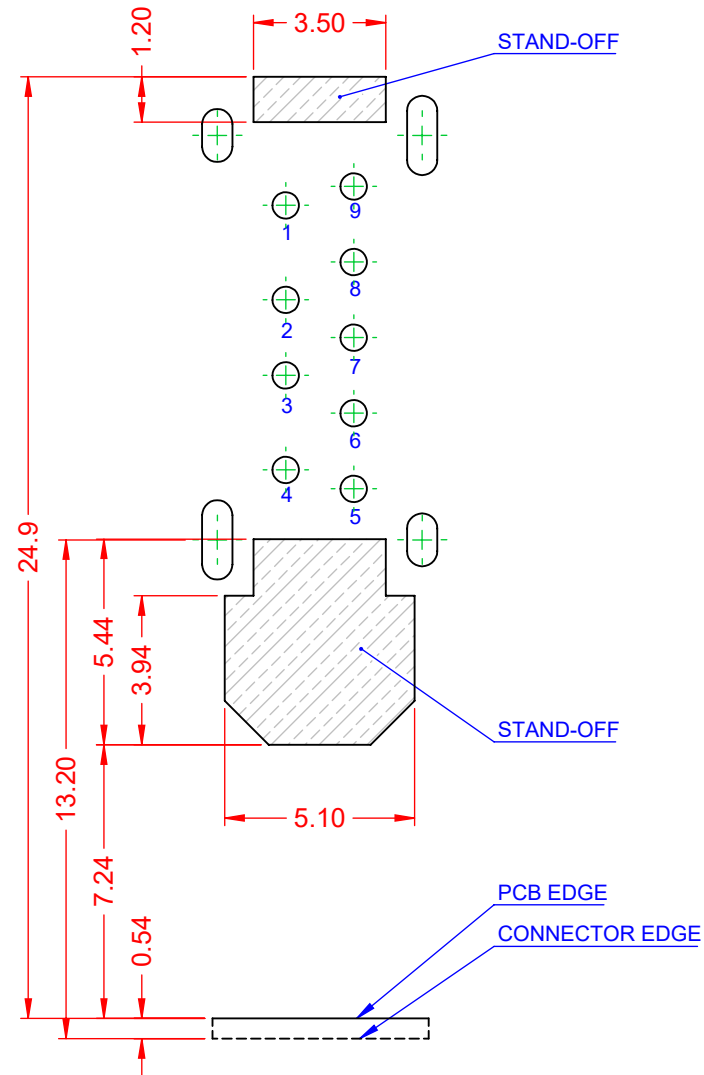
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ISSUE NUMBER	
ORIGINAL	①



RECOMMENDED PCB LAYOUT (COMPONENT TOP VIEW)  
THK=1.60 ALL TOL IS ±0.10



690 SERIES RECEPTACLES USB 3.0  
TYPE-A UPRIGHT R/ANGLE PCB

ACAD REFERENCE NO.: 690D109-X39-212	
DRAWN: C.B	DATE: December 17, 2020
CHECKED:	DATE:
SCALE: 5:1	SHEET 2 OF 2
DRAWING NUMBER: 690D109-X39-212	ISSUE
PART NUMBER: 690D109-239-212	1



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