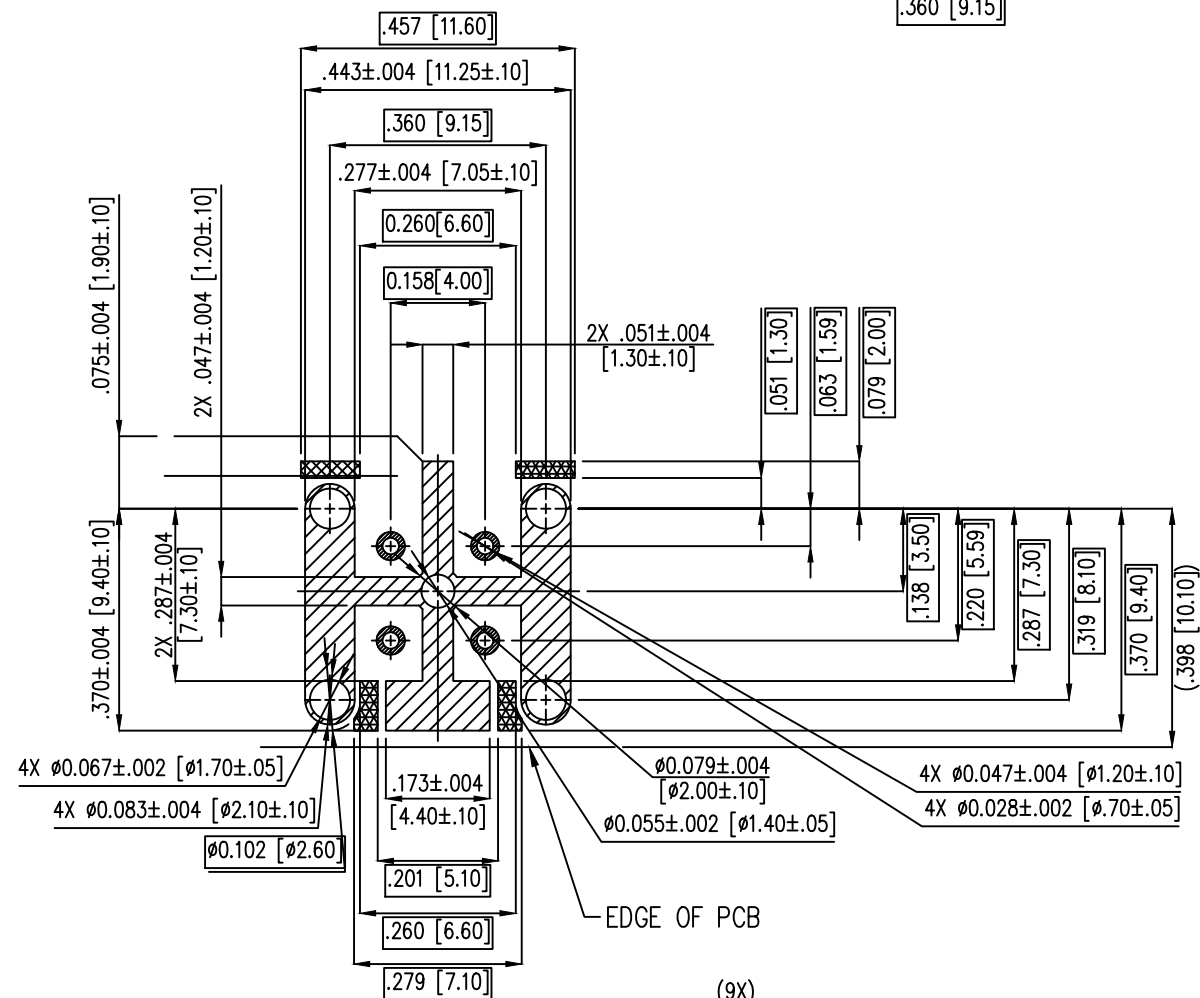
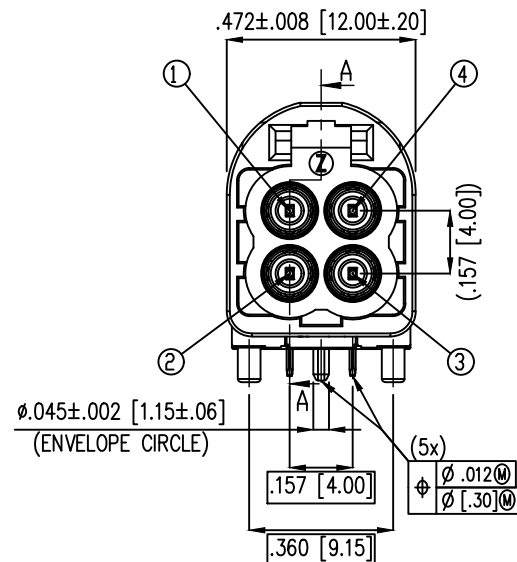
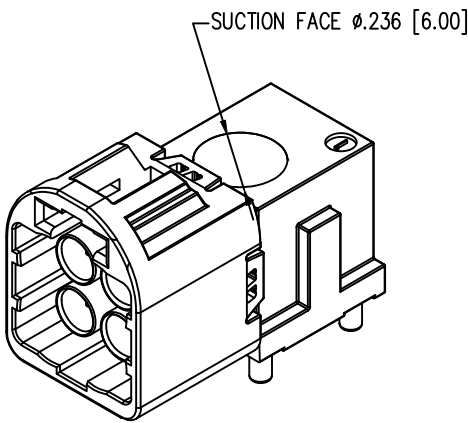
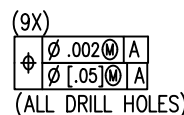
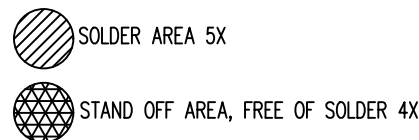


B

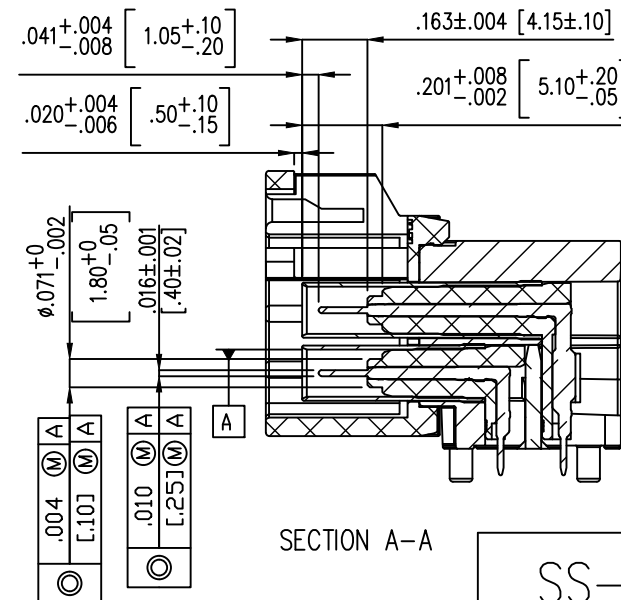
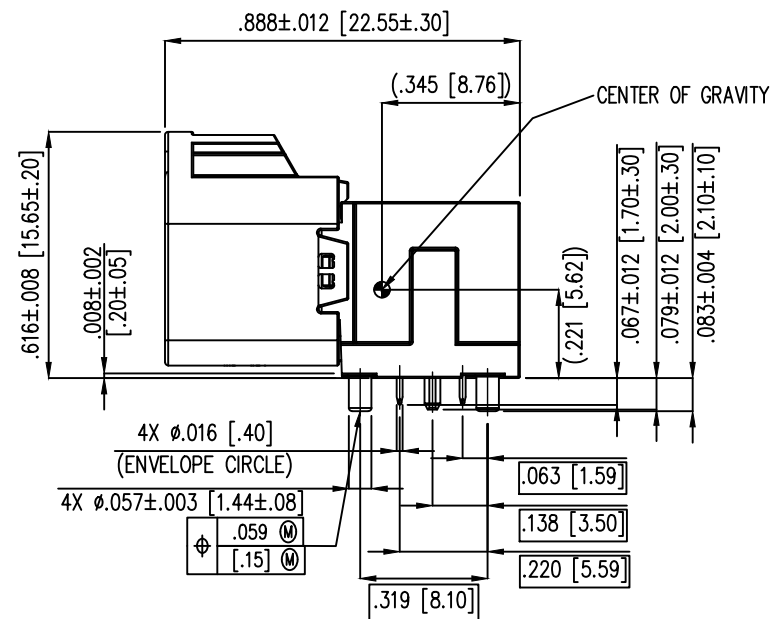
A



RECOMMENDED PCB LAYOUT

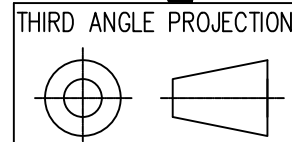


THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPRIETARY PROPERTY OF STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONSENT OF STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

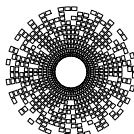


SECTION A-A

RoHS



DO NOT SCALE DRAWING
PART NUMBER
SS-40421-001
DRAWING NUMBER
CT740280

SS-40421-001		6 μ" [0.15 μm] Au	
PART NUMBER		CONTACT PLATING IN MATING AREA	
 stewart CONNECTOR a bel group		11118 Susquehanna Trail South Glen Rock, PA 17327-9199 (717) 235-7512 http://www.stewartconnector.com	
TITLE Mini FAKRA RIGHT ANGLE PLUG 2x2 PCB Conn. A-TYPE (Water Blue, Z Coded)			
DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE		DRWN BY: BR	DATE 9/26/24
DIMENSIONS: INCHES [METRIC]		CHKD BY: BR	DATE 9/26/24
TOLERANCES UNLESS OTHERWISE NOTED 2 PLC. DEC. ±.02 [0.5] 3 PLC. DEC. ±.012 [0.30] 4 PLC. DEC. ±.0079 [0.200] ANGLES ± 5°		APPD BY: KW	DATE 9/26/24
		SHEET 1 OF 1	REV. A00

DATE	REV	ECN	APP'D BY
10/3/2024	A00	12447	GL

NOTES:

- MATERIAL
DIELECTRIC: LCP
HOUSING: PA
CENTER CONTACTS: BRASS
OUTER CONTACT (INTERFACE): STAINLESS STEEL
OUTER CONTACT (PCB): ZAMAK
OUTER CONTACT (SHEET): BRASS
- PLATING
CENTER CONTACT: CONTACT AREA: 6u" Au
SOLDER TAILS: 80~160u" Sn(MATTE)
UNDERPLATE: 80~160u" Ni
OUTER CONTACT (INTERFACE): 120~240u" Sn(MATTE)
OVER 40~120u" Ni
OUTER CONTACT (PCB): 80~200u" Sn(MATTE)
OVER 120~240u" Ni
OVER 600~800u" Cu
OUTER CONTACT (SHEET): 80~160u" Sn(MATTE)
OVER 80~160u" Ni
- ELECTRICAL
IMPEDANCE: 50Ω
FREQUENCY: DC TO 9.0 GHz
INSULATION RESISTANCE: 1000MΩ MIN AT 500VDC
CENTER CONTACT RESISTANCE: 15mΩ MAX AT 20mV MAX
OUTER CONTACT RESISTANCE: 7.5mΩ MAX AT 20mV MAX
WITHSTANDING VOLTAGE: AC 800Vrms MIN 60Hz
VOLTAGE RATING: AC 335Vrms
CURRENT RATING: 1.0A MAX
- MECHANICAL
DURABILITY: ≥25 CYCLES
ENGAGEMENT FORCE: ≤ 45N
DISENGAGEMENT FORCE: ≥ 5N
RETENTION FORCE LATCH: ≥ 110N
CODING EFFICIENCY: ≥150N
- ENVIRONMENTAL
TEMPERATURE RANGE: -40°C TO +105°C

Mouser Electronics

Authorized Distributor

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