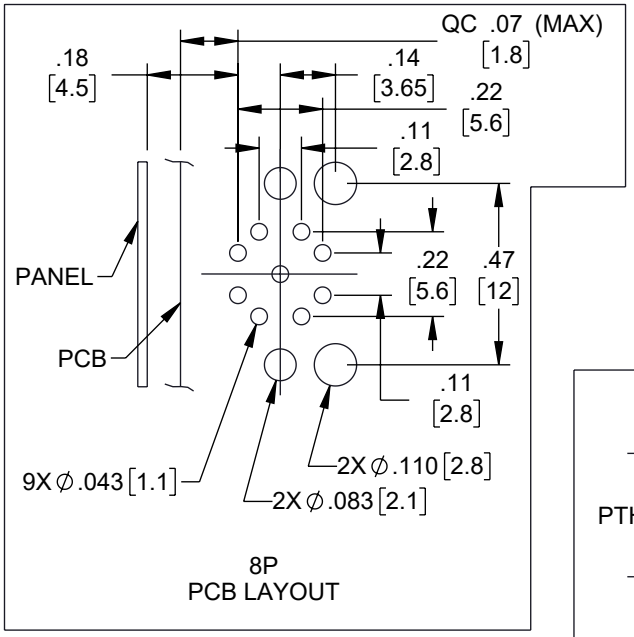
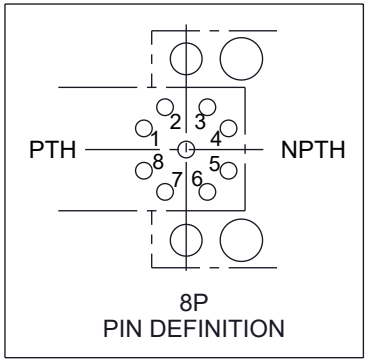
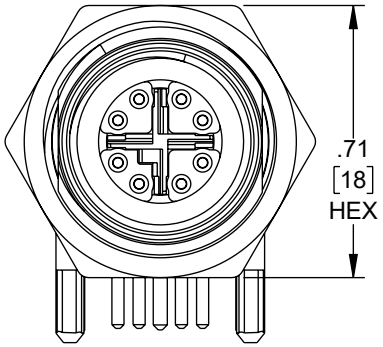
REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	07/21/2025	DMAY	DGUTTADAURO

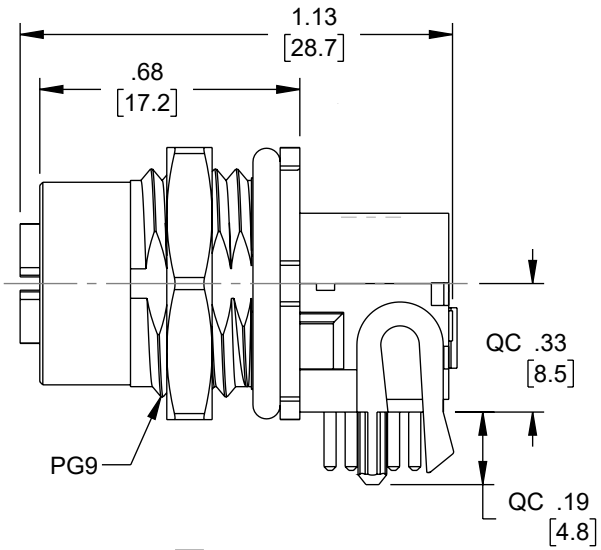


8P
PCB LAYOUT



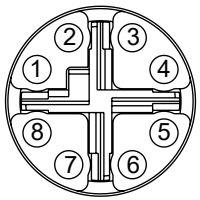
8P
PIN DEFINITION



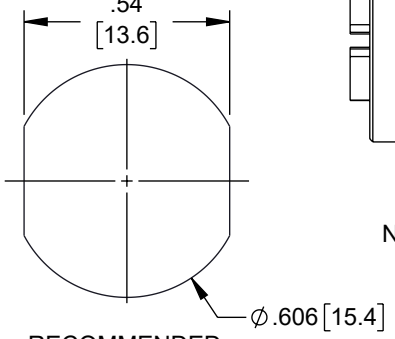


NOTES:
1. QC IMPORTANT DIMENSION.
2. WATERPROOF RATE: IP67, MATED
3. CONNECTOR: THERMOPLASTIC, BLACK
4. PIN: COPPER ALLOY, GOLD PLATED
5. SHIELD: METAL
6. NUT: METAL
7. GASKET: RUBBER, BLACK
8. O-RING: RUBBER, BLACK
9. FOR PANEL THICKNESS: 0.6 ~ 5.0mm
10. FOR PCB THICKNESS: 1.6 ~ 2.4mm
11. ASSEMBLE NUT ON CONNECTOR
12. TEMPERATURE RANGE: -40°C TO +105°C
13. OPERATING VOLTAGE: 50V AC / 60V DC
14. RATED CURRENT @40°C: 0.5A
15. COMPONENT SHALL BE INDIVIDUALLY PACKAGED

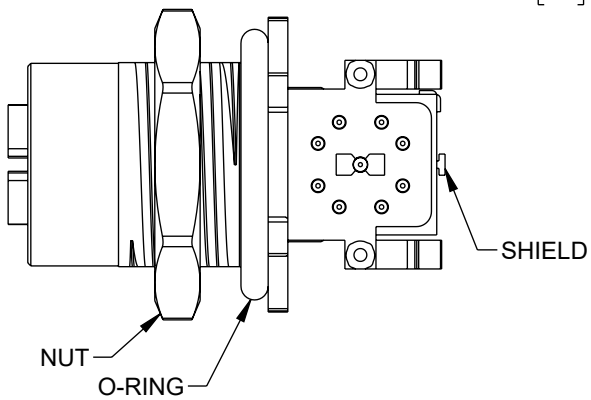
REGULATORY COMPLIANCE:
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION).



8P
PIN ASSIGNMENT
FRONT VIEW



RECOMMENDED
PANEL CUT-OUT



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5]	FRACTIONS
.XX = ±.02 [0.5]	± 1/32
.XXX = ±.005 [0.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:
≤12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.
UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION
M12 SHIELDED PANEL MOUNT CONNECTOR, IP67 8 POSITION X-CODE FEMALE RECEPTACLE, RIGHT ANGLE PCB SOLDER, PG9 FRONT MOUNTING STYLE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DMAY	M1290PCB-8XF-PG9F	A

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