REV.	DESCRIPTION	ECN NO.	NAME	DATE
0	FIRST EDITION	N/A	YONGLIANG	2026/8/28

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

NOTES:

1." * "KEY CONTROL SIZE .
" ▼ "SPECIAL CHARACTERISTIC SYMBOL

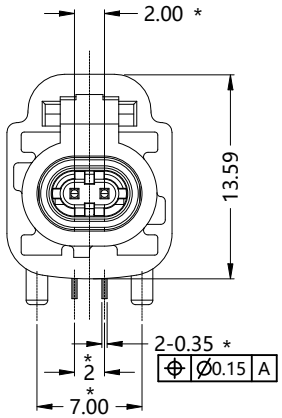
2.ELECTRICAL DATA:
A.IMPEDANCE:100 Ω;
B.FREQUENCY RANGE:DC to 4.0GHz;
C.RETURN LOSS REQUIREMENT

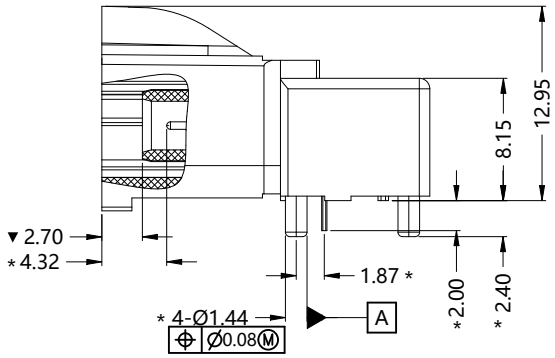
FREQUENCY,GHz	RETURN LOSS
DC 0-1.5GHz	≥25 dB
1.5GHz-4.0GHz	≥20 dB

D.INSULATION RESISTANCE: ≥1X10³ MΩ;
E.DIELECTRIC STRENGTH : 800V

3.MECHANICAL DATA:
A.MATING CYCLES:≥25 ;
B.RETENTION FORCE LATCH:≥110N.

4.ENVIRONMENTAL DATA :
A.TEMPERATURE RANGE:-40°C To +105°C

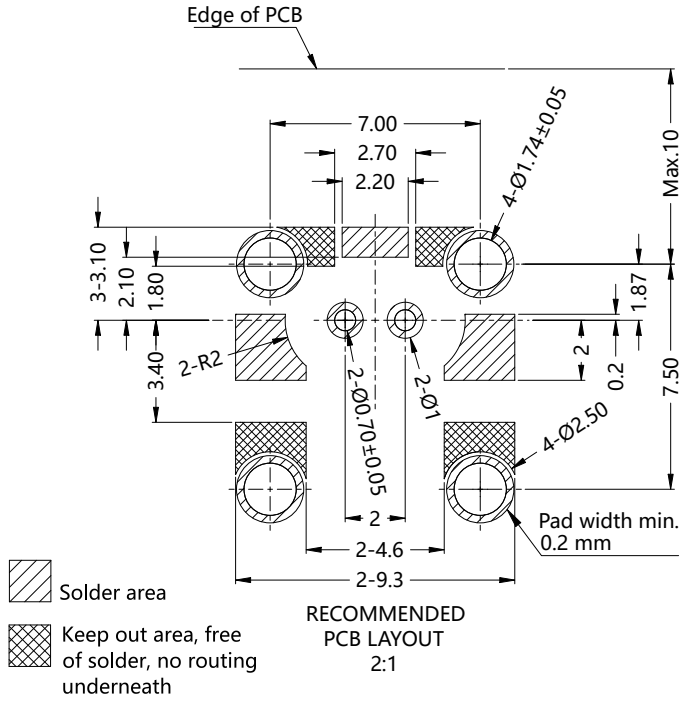


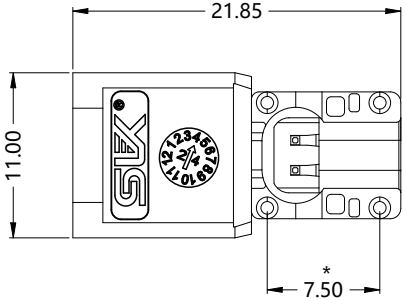


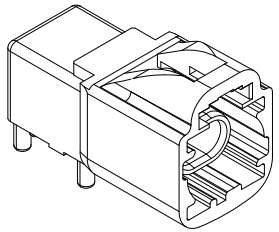
Mechanical and Color Coding

Connector number	Color	Coding	Color	RAL
10XEM2AR-P42-101	jet black	A		9005
10XEM2BR-P42-101	pure white	B		9010
10XEM2CR-P42-101	light violet	C		5012
10XEM2DR-P42-101	claret violet	D		4004
10XEM2ER-P42-101	may green	E		6017
10XEM2FR-P42-101	nut brown	F		8011
10XEM2GR-P42-101	platinum grey	G		7036
10XEM2HR-P42-101	light pink	H		3015
10XEM2JR-P42-101	beige	J		1001
10XEM2KR-P42-101	curry	K		1027
10XEM2LR-P42-101	yellow green	L		6018
10XEM2MR-P42-101	pastel orange	M		2003
10XEM2OR-P42-101	light green	O		6027
10XEM2ZR-P42-101	water blue	Z		5021

CUSTOMER OUTLINE DRAWING







UNLESS OTHERWISE SPECIFIED:
1) EDGES: C0.20 MAX.
2) REMOVE ALL BURRS;
3) SURFACE ROUGHNESS: Ra0.8
4) UNITS: mm
5) DIMENSIONS TOLERANCES
DECIMALS: .x±0.3, .xx±0.2, .xxx±0.1
ANGLES: ±5° AXIALITY: 0.25

THIRD ANGLE PROJECTION		CUSTOMER P/N:	SEE TABLE
APPROVE:	APPROVED	PNUM:	
STANDARD:	STANDARDS	LIFT STAGE:	LIANGCHAN
PROCESS:	PROCESSES	SCALE:	2:1
CHECK:	CHECKED	FRAME:	A4
DRAWING:	YONGLIANG	PAGE:	1/1
		DATE:	2026/8/28

TITLE:
ETW 1Way PCB Connector 90

PRODUCT P/N: SEE CODE TABLE
10XEM2*R-P42-101

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