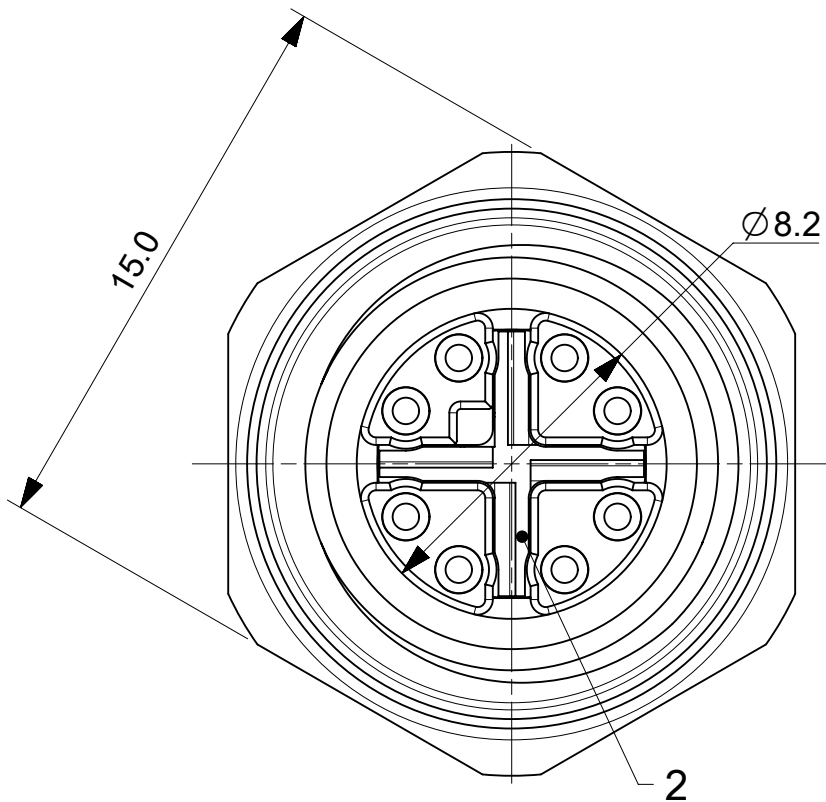


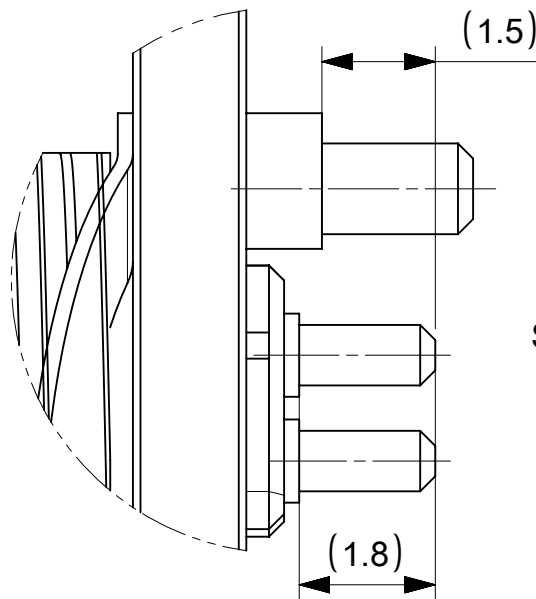
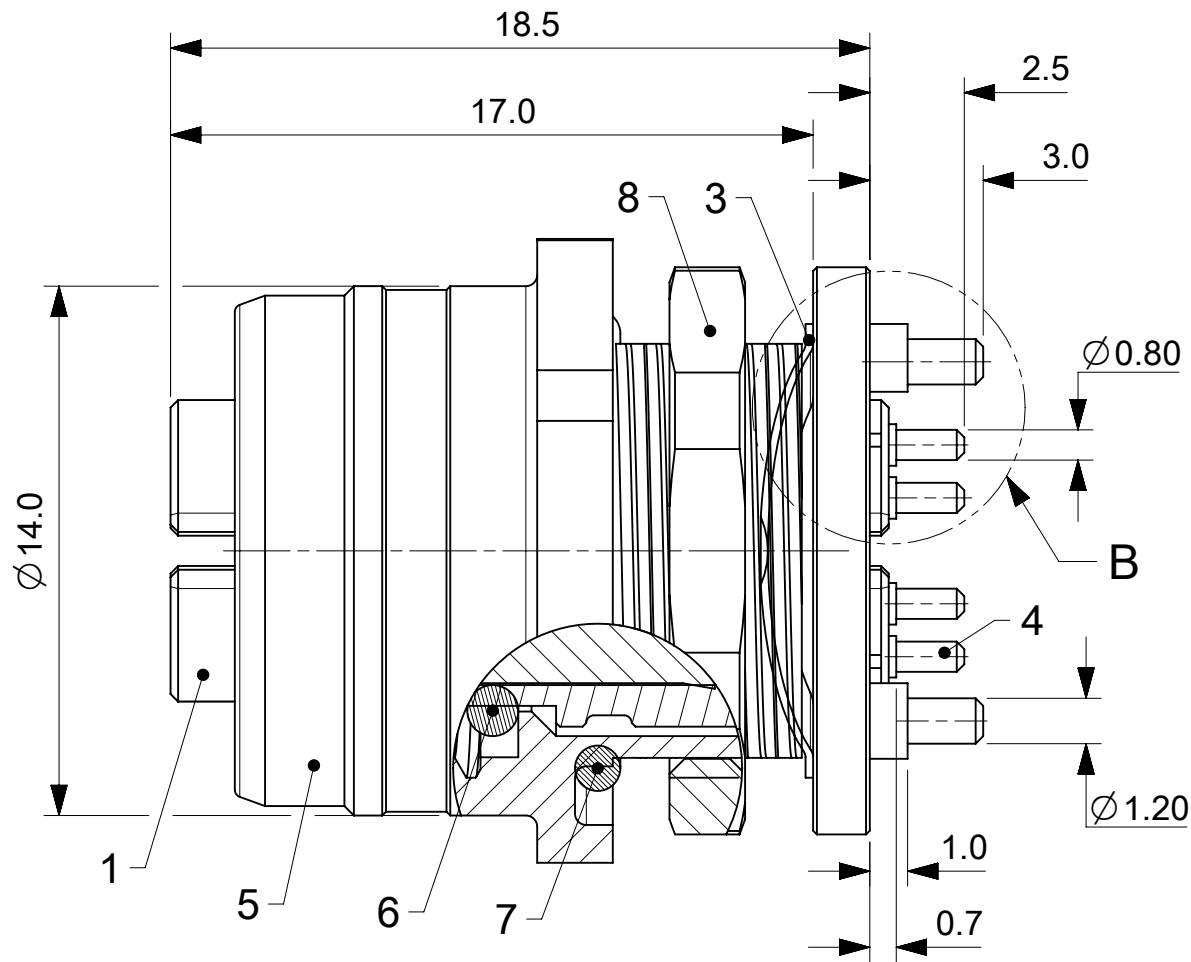


TECHNICAL DATA:
M12 CAT6A RECEPTACLE BACK MOUNT PCB 360° SHIELDED.
SUITED FOR WAVE APPLICATION.

POLES : 8
MAX. VOLTAGE : 48V
MAX. CURRENT : 0.5A
CONTACT RESISTANCE : <5mΩ
INSULATION WITHSTAND : >100m Ω
PROTECTION : IP67
TEMPERATURE RANGE : -40°C TO 85°C
TRANSMISSION CHARACTERISTICS :
(category) CAT6_A

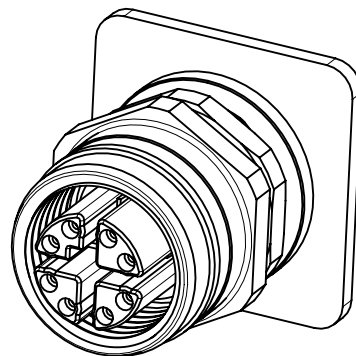
FOR PRODUCT SPECIFICATION SEE : PS-120341-001

PACKAGING:
THE RECEPTACLE AND HOUSING ARE DELIVERED IN BLISTER
PACKS A 25 PARTS.
8 BLISTER PACKAGES PER CARTON.
ALL TOGETHER 200 PARTS.
THE O-RINGS AND LOCK NUT ARE DELIVERED SEPARATE IN
PLASTIC BAGS BUT IN SAME CARTON.



DETAIL B
SCALE 10:1

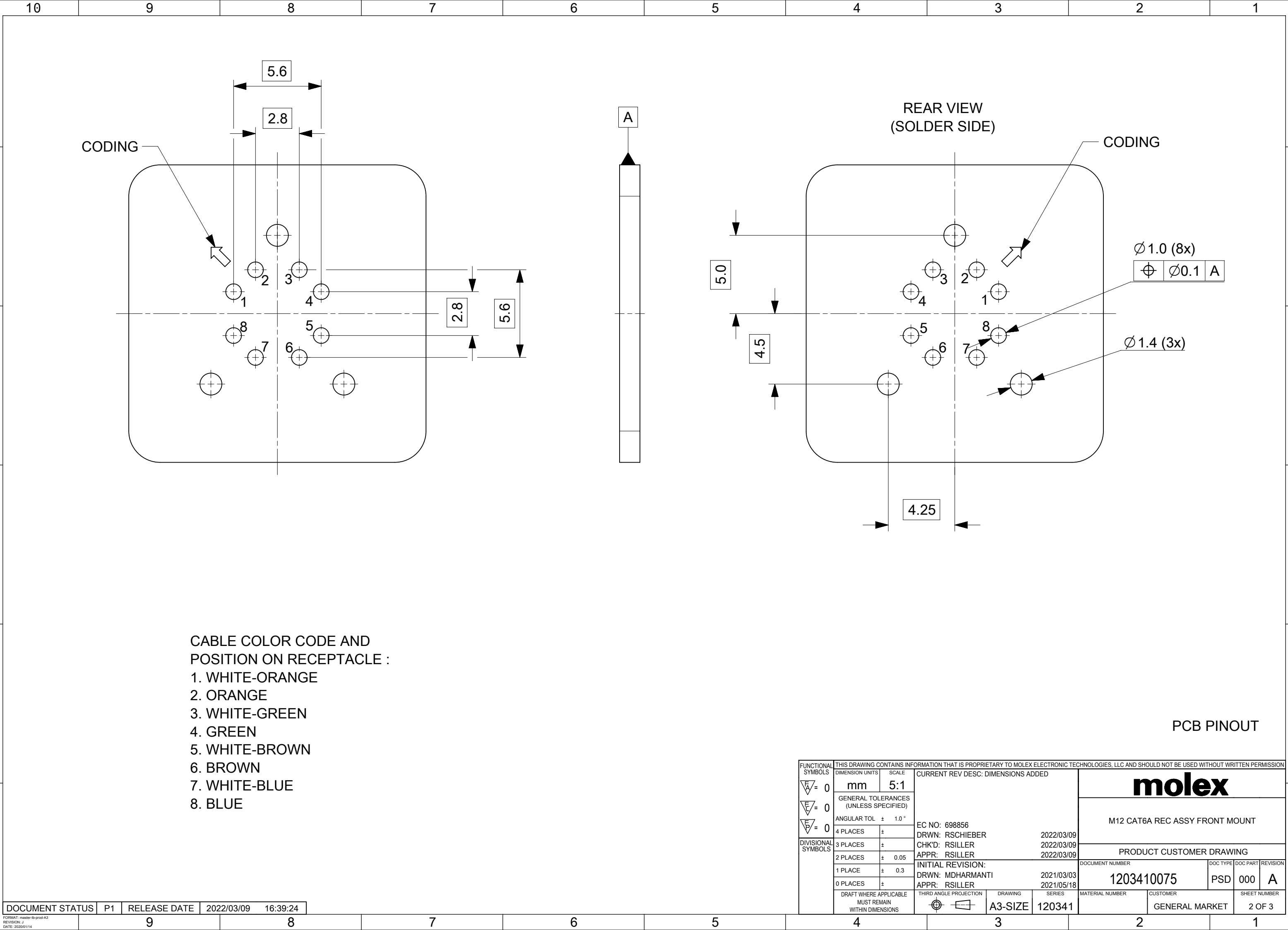
SCALE 2:1



BOM

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
8	1	LOCK NUT	BRASS	Ni-PLATED
7	1	O-RING 10.3x1.2	EPDM	BLACK
6	1	O-RING 7.0x1.35	FPM	RED
5	1	HOUSING	BRASS	Ni-PLATED
4	8	CONTACT	BRASS	GOLD OVER Ni
3	1	SPRING	SS	-
2	1	SCHIELDING CROSS	BRASS	Ni-PLATED
1	1	INSERT	PA	BLACK

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: DIMENSIONS ADDED				molex			
	FUNCTIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)								
FA = 0	mm	5:1	EC NO: 698856 DRWN: RSCHIEBER CHK'D: RSILLER APPR: RSILLER				M12 CAT6A REC ASSY FRONT MOUNT			
FE = 0										
FD = 0			INITIAL REVISION: DRWN: MDHARMANTI APPR: RSILLER				PRODUCT CUSTOMER DRAWING			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DOCUMENT NUMBER 1203410075			
			THIRD ANGLE PROJECTION				DOC TYPE PSD			
			DRAWING A3-SIZE				SHEET NUMBER 1 OF 3			
			SERIES 120341				CUSTOMER GENERAL MARKET			



CABLE COLOR CODE AND
POSITION ON RECEPTACLE :

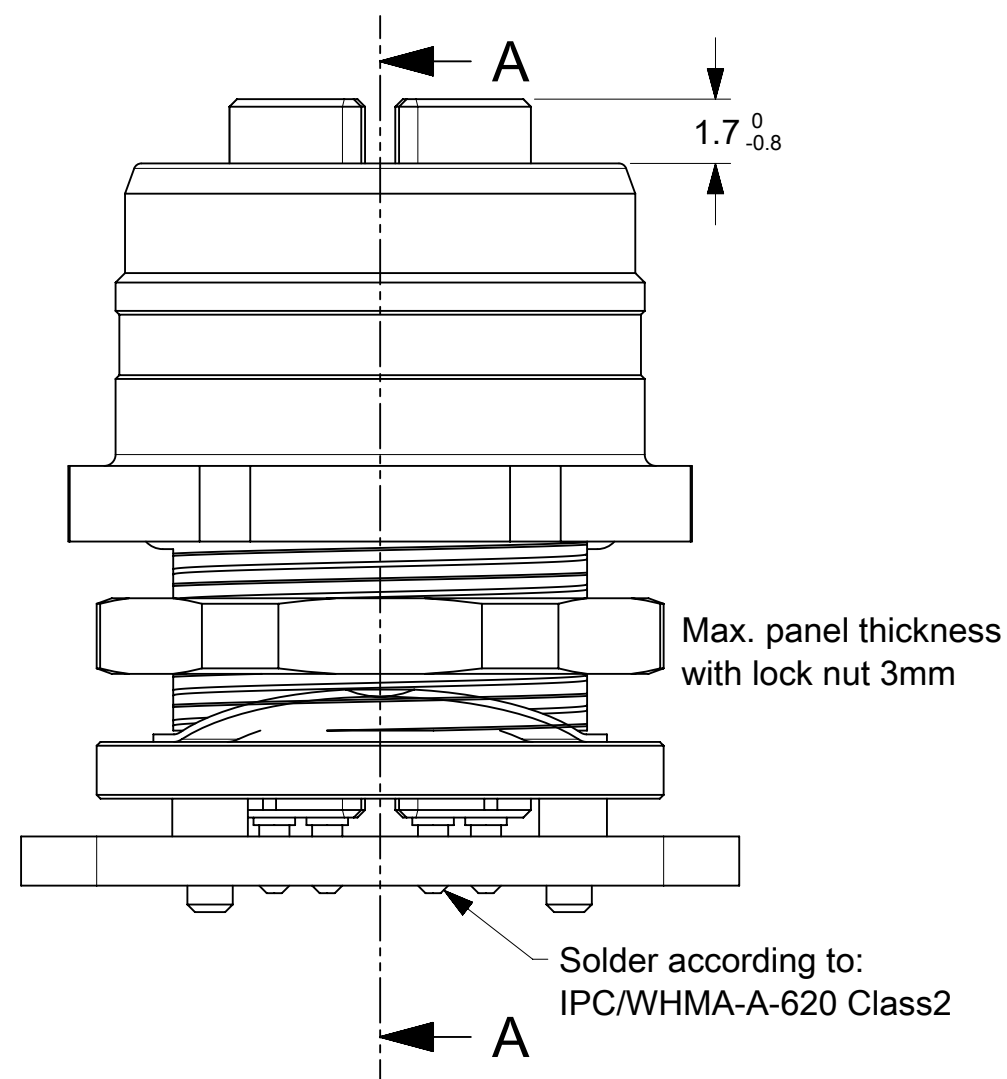
- 1. WHITE-ORANGE
- 2. ORANGE
- 3. WHITE-GREEN
- 4. GREEN
- 5. WHITE-BROWN
- 6. BROWN
- 7. WHITE-BLUE
- 8. BLUE

PCB PINOUT

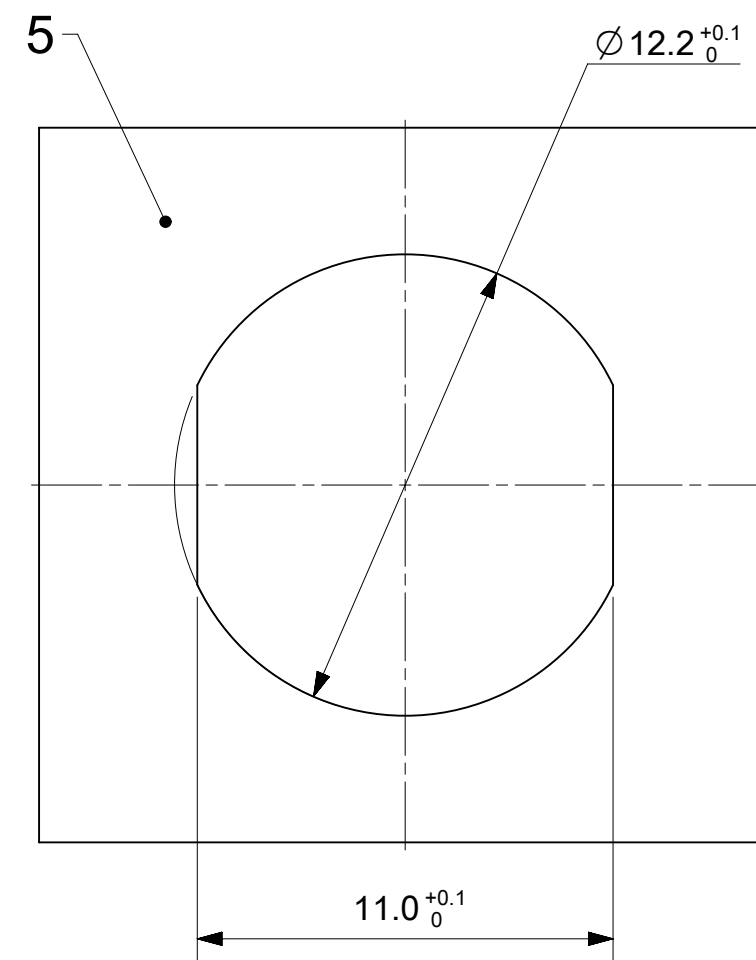
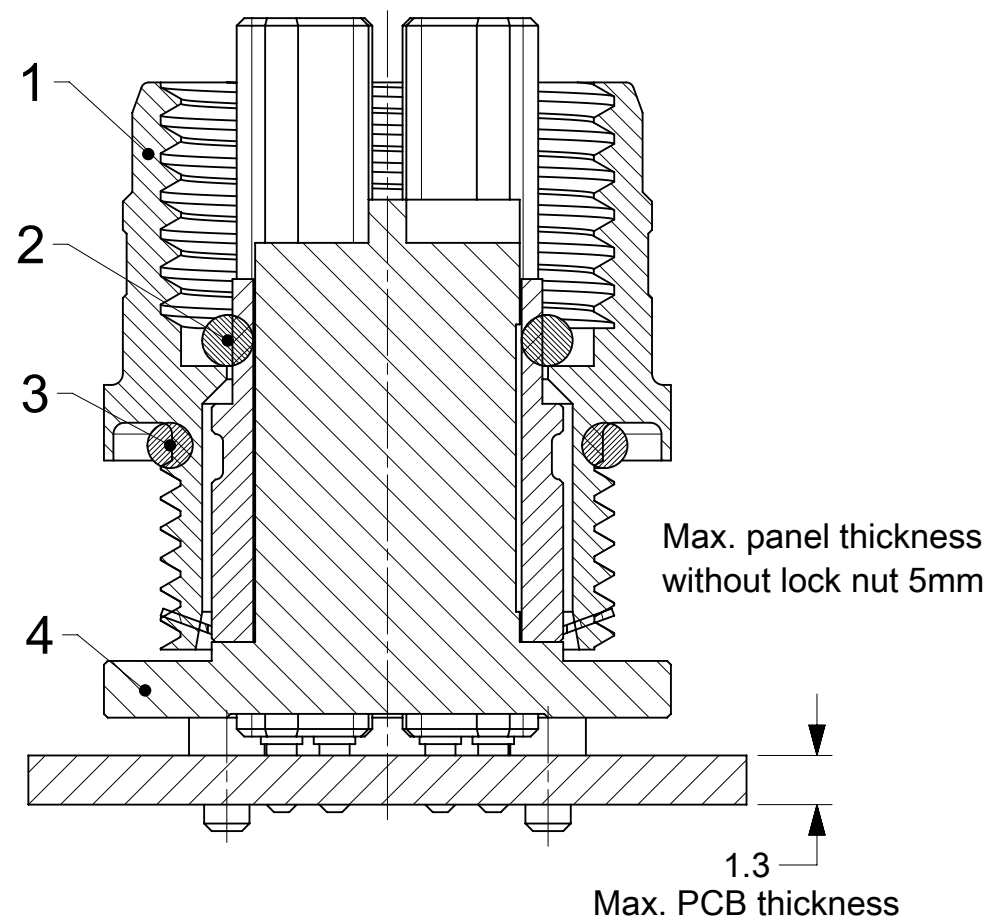
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
$\nabla_A = 0$	mm	5:1
$\nabla_F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	
$\nabla_P = 0$	ANGULAR TOL ± 1.0 °	
DIVISIONAL SYMBOLS	4 PLACES	±
	3 PLACES	±
	2 PLACES	± 0.05
	1 PLACE	± 0.3
	0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION
		DRAWING
		SERIES
		MATERIAL NUMBER
		CUSTOMER
		SHEET NUMBER

CURRENT REV DESC: DIMENSIONS ADDED			molex		
EC NO: 698856			M12 CAT6A REC ASSY FRONT MOUNT		
DRWN: RSCHIEBER			PRODUCT CUSTOMER DRAWING		
CHK'D: RSILLER			DOCUMENT NUMBER		
APPR: RSILLER			1203410075		
INITIAL REVISION:			DOC TYPE		
DRWN: MDHARMANTI			PSD		
APPR: RSILLER			DOC PART		
			000		
			REVISION		
			A		

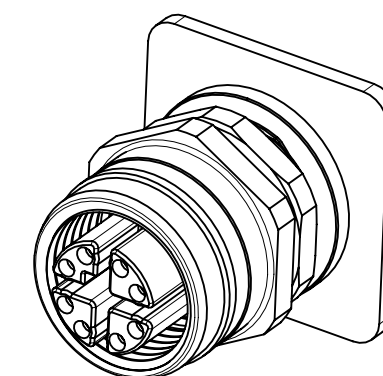
VIEW WITH LOCK NUT



VIEW WITHOUT LOCK NUT



- Pos. Description :
- 1. Receptacle housing shell
 - 2. O-ring 7.1x1.35mm
 - 3. O-ring 10.2x1.2mm
 - 4. Receptacle
 - 5. Cutout



SCALE 2:1

ASSEMBLY OF THE RECEPTACLE:

1. The receptacle (4) is soldered to PCB (wave or reflow possible)
The grounding can be over the ground pins of her receptacle and, if needed, over the midpoint of the shielding cross.
2. The o-ring (3) is pushed over the receptacle hosusing shell (1)
3. The metal shell(1) is fastened in the housing per screwing in or locknut.
4. The PCB with receptacles is mounted from the back side into the housing(1).
5. The o-ring (2) is applied from the front to the bottom of the thread.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: DIMENSIONS ADDED			
	DIMENSION UNITS	SCALE				
$\nabla_A = 0$	mm	5:1				
$\nabla_F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)					
$\nabla_P = 0$	ANGULAR TOL $\pm 1.0^\circ$					
DIVISIONAL SYMBOLS	4 PLACES	$\pm$				
	3 PLACES	$\pm$				
	2 PLACES	± 0.05				
	1 PLACE	± 0.3				
	0 PLACES	$\pm$				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
				A3-SIZE	120341	
					CUSTOMER	SHEET NUMBER
					GENERAL MARKET	3 OF 3