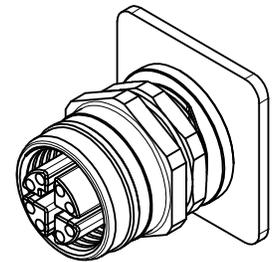


Technical Data:

M12 CAT6A receptacle back mount PCB 360° shielded.
Suited for reflow application.

Poles: 8
 Max. Voltage: 48V
 Max Current: 0,5A
 Contact resistance: <5m Ohm
 Insulation withstand: >100M Ohm
 Protection: IP67
 Temperature range: -25°C to 85°C
 Transmission characteristics (category) CAT6_A

POS	DESCRIPTION	MATERIAL	FINISH
01	INSERT	PA	BLACK
02	SCHIELDING CROSS	BRASS	NICKEL PLATED
03	SPRING	STAINLESS STEEL	NONE
04	CONTACT	BRASS	GOLD OVER NICKEL
05	HOUSING	BRASS	NICKEL PLATED
06	O-RING	FKM	NONE
07	O-RING	FPM	NONE
08	O-RING	FPM	NONE
09	LOCK NUT	BRASS	NICKEL PLATED

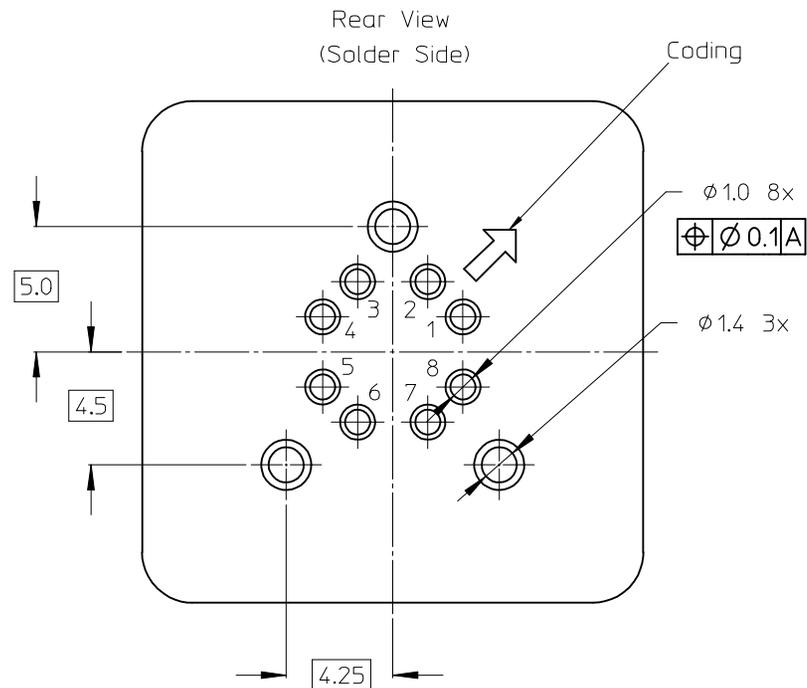
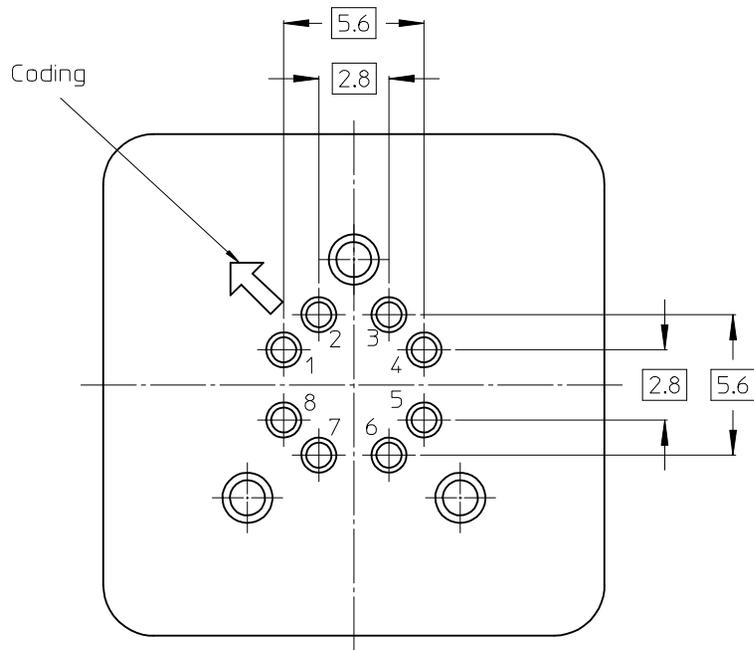


For product specification see: PS-120341-001

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.

ENTER DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		mm	INCH	MM ONLY		5:1	METRIC		
EC NO: IPG2013-0077 DRWINZI SMAYILOV 2012/07/27 CHYKOPRSCHIEBER 2012/07/30 APPR:AVOGT 2012/07/30	▼=0 ◻=0	4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE	M12 CAT6A REC ASSY FRONT MOUNT	
		3 PLACES	± ---	± ---	NSTAUDIGEL	07.06.2009			
		2 PLACES	± 0.05	± ---	CHECKED BY	DATE			
		1 PLACE	± 0.1	± ---	RSILLER	09.10.09			
		ANGULAR ± 1 °		APPROVED BY	DATE	MATERIAL NO.			
A2	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MOLEX INCORPORATED		
				1203410075	2010/05/27		SD-120341-075		SHEET NO.
				A3					1 OF 3

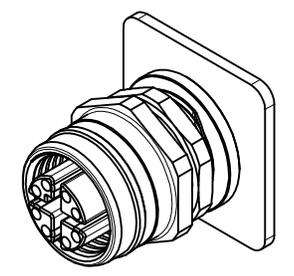
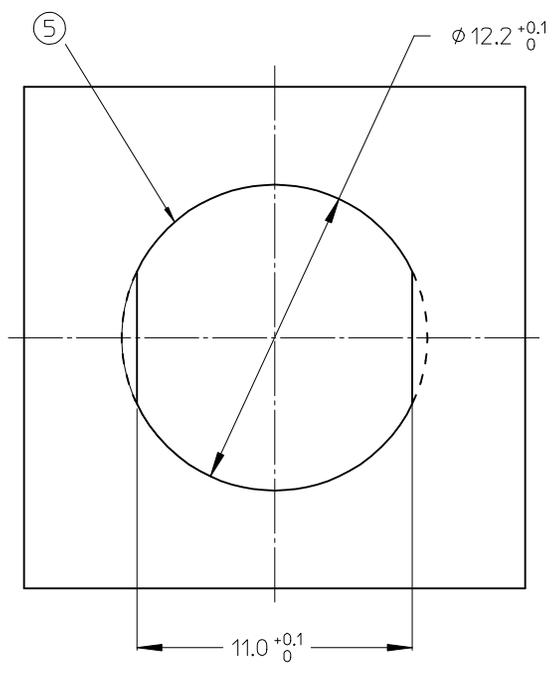
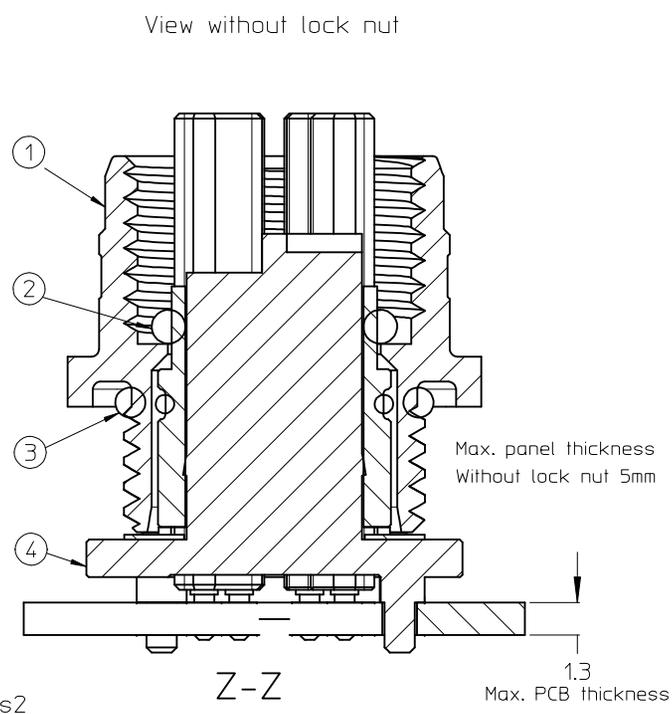
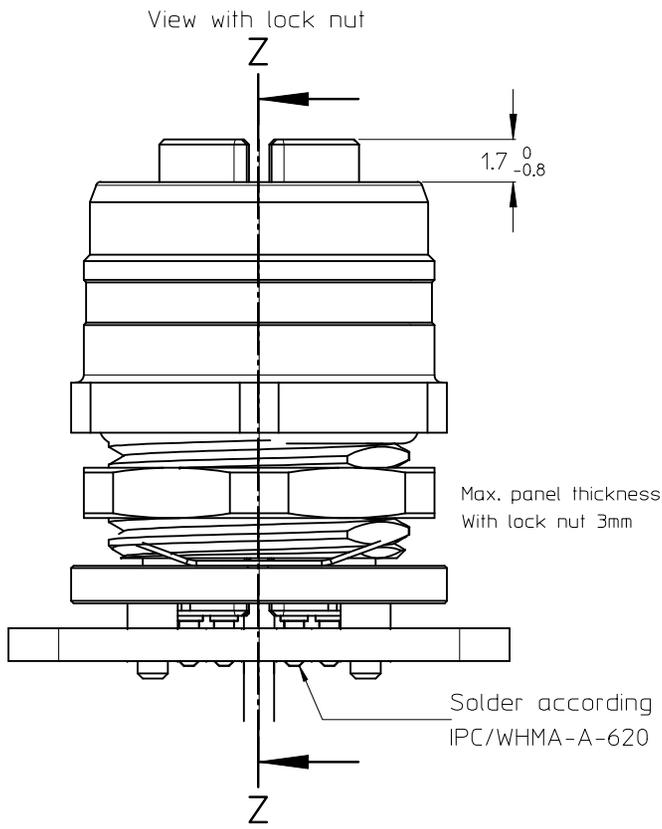


Cable color code and position on receptacle:

- 1 white-orange
- 2 orange
- 3 white-green
- 4 green
- 5 white-brown
- 6 brown
- 7 white-blue
- 8 blue

PCB Pinout

ENTER DESCRIPTION EC NO: IPG2013-0077 DRWN:Z SMAYILOV 2012/07/27 CHKD:RSCHIEBER 2012/07/30 APPR:AVOGT 2012/07/30	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY	DATE	TITLE				
		4 PLACES	± ---	± ---	NSTAUDIGEL	07.06.2009	M12 CAT6A REC ASSY FRONT MOUNT				
		3 PLACES	± ---	± ---	CHECKED BY	DATE					
2 PLACES	± 0.05	± ---	RSILLER	09.10.09	MOLEX INCORPORATED						
1 PLACE	± 0.1	± ---	APPROVED BY	DATE							
ANGULAR ± 1 °			FPACHER	2010/05/27	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			1203410075		SD-120341-075		2 OF 3				
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



- Pos. Description
- 1 Receptacle housing shell
 - 2 O-ring 7,1x1,35mm
 - 3 O-ring 10,2x1,2mm
 - 4 Receptacle
 - 5 Cutout

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 the receptacle housing shell (1)
3. The metall 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 font to the bottom of the thread.

ENTER DESCRIPTION EC NO: IPG2013-0077 DR:WAZI SMAYILOV 2012/07/27 CHK:DRSCHIEBER 2012/07/30 APPR:AVOGT 2012/07/30	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		▼=0 ◻=0	mm	INCH	MM ONLY		5:1	METRIC		
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE			
		3 PLACES	± ---	± ---	NSTAUDIGEL	07.06.2009	M12 CAT6A REC ASSY FRONT MOUNT			
2 PLACES	± 0.05	± ---	CHECKED BY	DATE						
1 PLACE	± 0.1	± ---	RSILLER	09.10.09	MOLEX INCORPORATED					
ANGULAR ± 1 °			APPROVED BY	DATE						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			FPACHER	2010/05/27	MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
A2	REV			1203410075		SD-120341-075		3 OF 3		
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			A3							