

#### Technical Data:

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

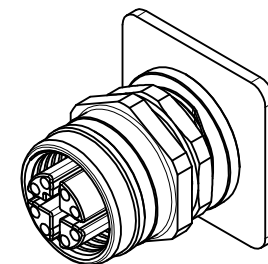
Poles: 8  
Max. Voltage: 48V  
Max Current: 0,5A  
Contact resistance: <5m Ohm  
Insulation withstand: >100M Ohm  
Protection: IP67  
Temperature range: -25°C to 85°C  
Transmission characteristics (category) CAT6<sub>A</sub>

For product specification see: PS-120341-001

#### Packaging:

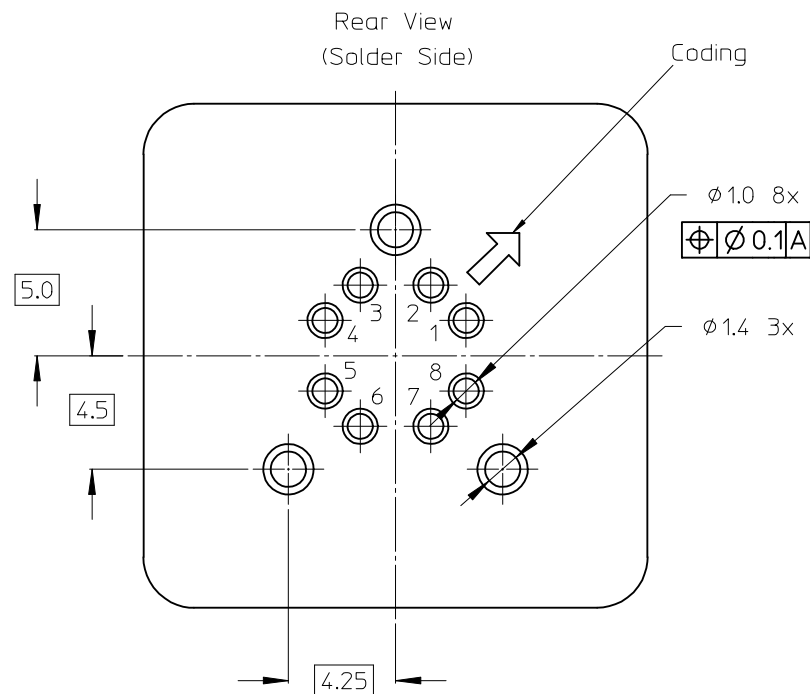
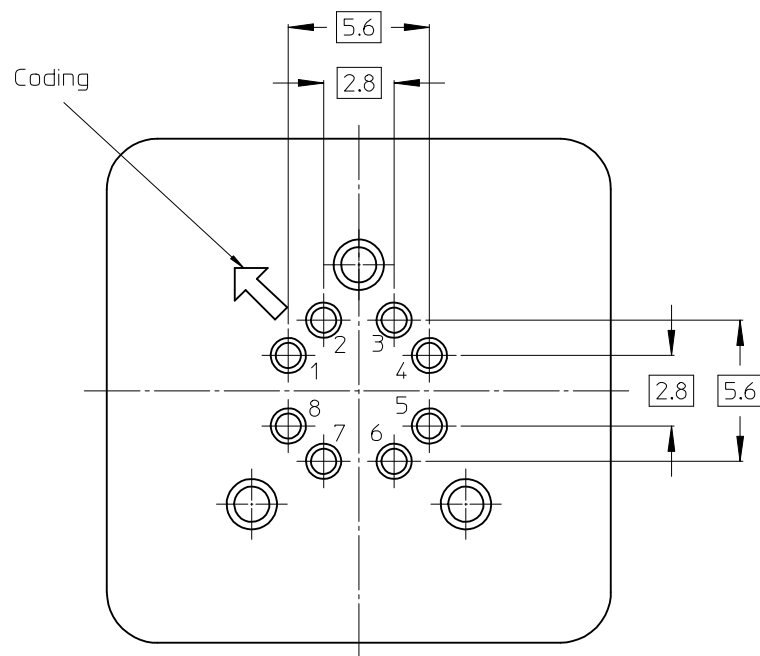
The receptacle and housing are delivered in blister packs a 25 parts.  
8 blister packages per carton.  
All together 200 parts.  
The o-rings and lock nut are delivered separate im plastic bags but im same carton.

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



ENTER DESCRIPTION EC NO: IPG2013-0077 DRWN:Z/SMAYILOV 2012/07/27 CHKD:RSCHIEBER 2012/07/30 APPR:AVOGT 2012/07/30  A2	DESCRIPTION  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 NSTAUDIGEL	DATE 07.06.2009	TITLE M12 CAT6A REC ASSY FRONT MOUNT				
		4 PLACES	± ---	± ---	CHECKED BY	DATE					
		3 PLACES	± ---	± ---	RSILLER	09.10.09					
		2 PLACES	± 0.05	± ---	APPROVED BY	DATE					
		1 PLACE	± 0.1	± ---	FPACHER	2010/05/27	MOLEX MOLEX INCORPORATED	DOCUMENT NO. SD-120341-075	SHEET NO. 1 OF 3		
		ANGULAR ± 1 °		MATERIAL NO. 1203410075							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3							
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

10 9 8 7 6 5 4 3 2 1

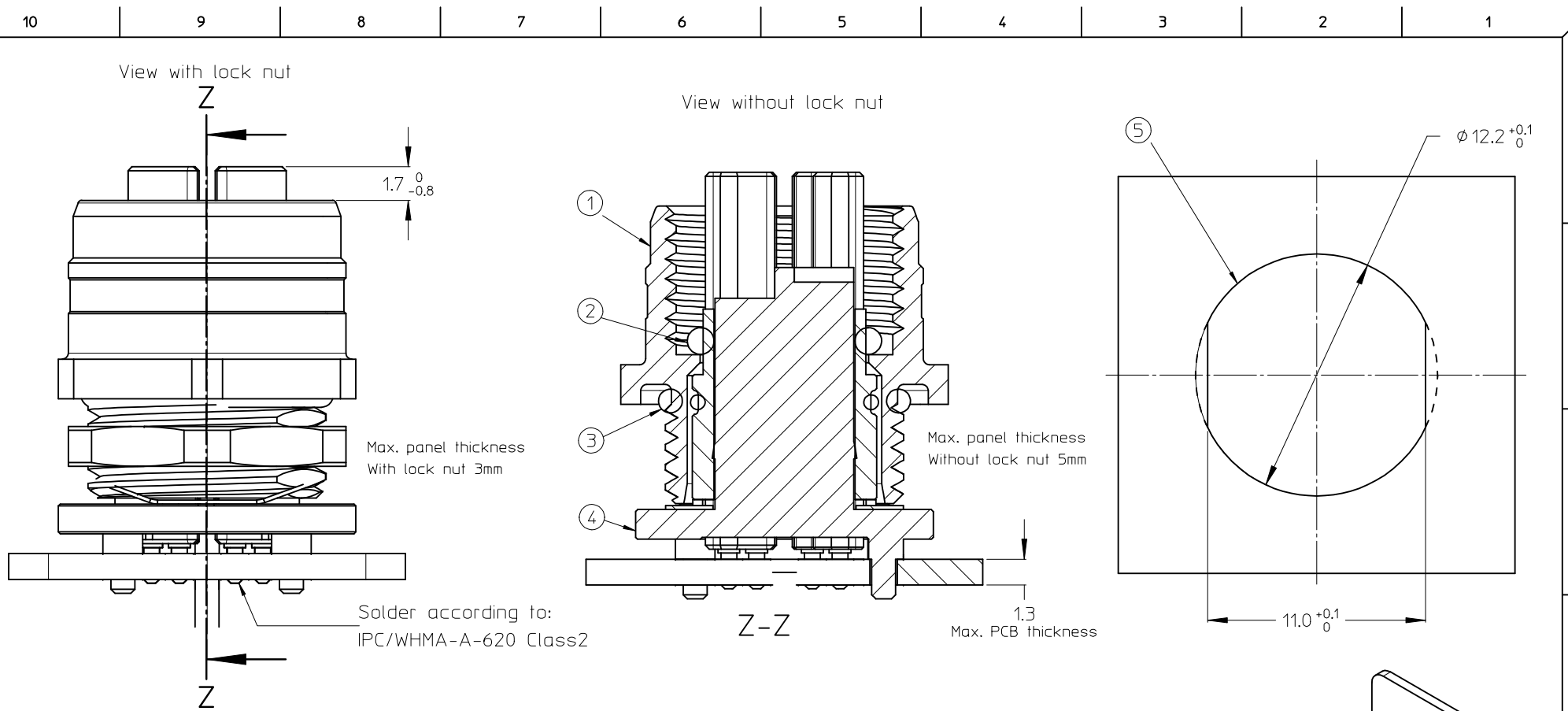


Cable color code and position  
on receptacle:

- 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:ZIMAYILOV 2012/07/27 CHKD:RSCHIEBER 2012/07/30 APPR:AVOGT 2012/07/30			DESCRIPTION	QUALITY SYMBOLS <div>▽=0</div> <div>▽=0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION <div>⊙ □</div>	
					<div>mm</div> <div>INCH</div>		DRAWN BY NSTAUDIGEL		DATE 07.06.2009		TITLE 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		DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.		1203410075		SD-120341-075		2 OF 3		
A2		REV		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

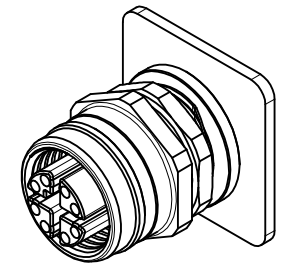


#### Pos. Description

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