

6

5

4

3

2

1

MATERIAL NUMBER	OLD PART NUMBER	FINISHED LENGTH
120074-0079	7R3A06A19A120	12.0" +.75" -0 [1.3M +19.1 -0]
120074-0081	7R3A06A19F060	6.0" +3.50" -0 [1.8M +88.9 -0]

Dimensions: .25/6.4, .47/11.9, 1.00/25.4, 1/4-18 NPT, 1/2-20 UNF, .63/15.2,  $\phi 1.75/19.1$

Callouts: ①, ②, ③, ④, ⑤, ⑥, ⑦

FINISHED LENGTH

1	GREEN
2	RED-BLACK
3	RED-WHITE

WIRING DIAGRAM

MALE FACE VIEW

$\phi 0.56/14.2$

TYPICAL KNOCKOUT HOLE

VOLTAGE RATING	250 VAC/VDC
AMPERAGE RATING	4 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	-20°C TO 80°C
UL CERTIFICATIONS	UL LISTED, FILE NO. E152210
CSA CERTIFICATIONS	CSA CERTIFIED, FILE NO. LR6837

ITEM	COMPONENT	MATERIAL	FINISH
1	INSERT	NYLON	BLACK
2	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL
3	RECEPTACLE SHELL	ALUMINUM	GRAY ANODIZED
4	O-RING	NITRILE	BLACK
5	LOCKNUT	STEEL	ZINC PLATED
6	CONDUCTOR -22 AWG, 26 x #36 STRANDING, 300 VOLTS	PVC	SEE WIRING DIAGRAM
7	FLAG LABEL	MYLAR	BLACK/YELLOW

RLSD DRAWING  
EC NO: WNA2009-0631  
DRWN: BWOODMAN  
CHKD: JM  
APPR: JFMURPHY 2009/04/01

QUALITY SYMBOLS  
▽=0  
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±.01
1 PLACE	±0.3	±---

ANGULAR ±---°

**DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS**

DIMENSION STYLE IN/MM

SCALE ---

DESIGN UNITS ---

THIRD ANGLE PROJECTION

DRAWN BY DATE  
BW 2009/03/27

CHECKED BY DATE  
TW 2009/03/27

APPROVED BY DATE  
---

MATERIAL NO. SEE CHART

SIZE A

TITLE  
MICRO-CHANGE RECEPTACLE  
3 POLE MALE  
1/4-18 NPT

molex MOLEX INCORPORATED

DOCUMENT NO. SD-120074-001

SHEET NO. 1 OF 1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

6

5

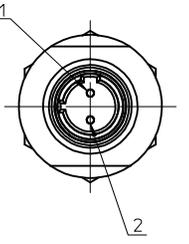
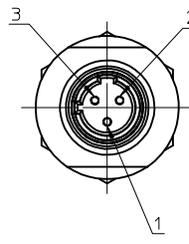
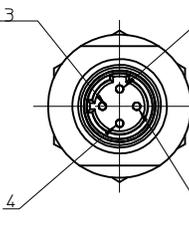
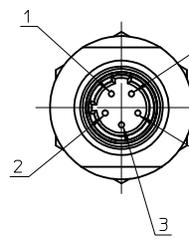
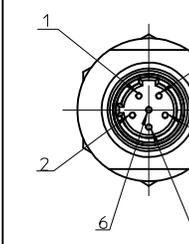
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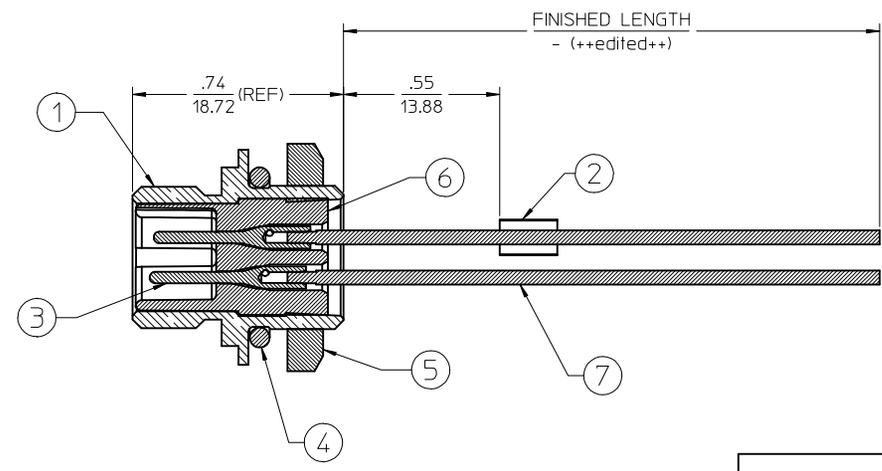
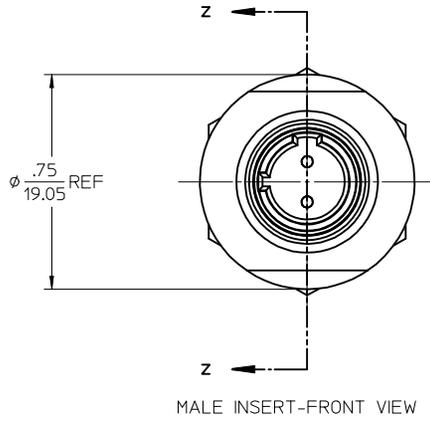
3

2

1

# FACE VIEW - MALE INSERT SCALE 2 : 1

				
1 BROWN 2 BLUE	1 GREEN 2 RED/BLACK 3 RED/WHITE	1 RED/BLACK 2 RED/WHITE 3 RED 4 GREEN	1 RED/WHITE 2 RED 3 GREEN 4 RED/YELLOW 5 RED/BLACK	1 RED/WHITE 2 RED 3 GREEN 4 RED/YELLOW 5 RED/BLACK 6 RED/BLUE



FINAL ASSEMBLY  
1200740030 (SHOWN)

ENTER DESCRIPTION EC NO: MNA2010-0078 DRAWN BY: NKUMAR01 CHKD: 2009/08/27 APPR: JFMURPHY 2009/08/28	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0002</td> </tr> <tr> <td>3 PLACES</td> <td>± .005</td> <td>± .0002</td> </tr> <tr> <td>2 PLACES</td> <td>± .005</td> <td>± .0002</td> </tr> <tr> <td>1 PLACE</td> <td>± .005</td> <td>± .0002</td> </tr> </tbody> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES	± .005	± .0002	3 PLACES	± .005	± .0002	2 PLACES	± .005	± .0002	1 PLACE	± .005	± .0002	DIMENSION STYLE IN/MM DRAWN BY: NKUMAR01 DATE: 26/08/09 CHECKED BY: BWOODMAN DATE: 26/08/09 APPROVED BY: JFMURPHY DATE: 2009/08/27	SCALE 2:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE MIC 2P MR 12IN. 1/4NPT #22 PVC MOLEX INCORPORATED DOCUMENT NO. SD-120074-030 SHEET NO. 1 OF 2
		mm	INCH																	
	4 PLACES	± .005	± .0002																	
	3 PLACES	± .005	± .0002																	
2 PLACES	± .005	± .0002																		
1 PLACE	± .005	± .0002																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
A	REV																			

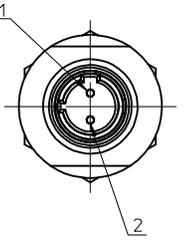
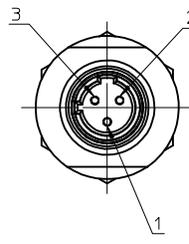
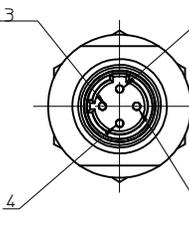
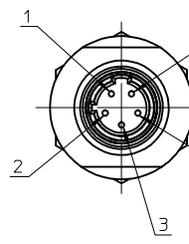
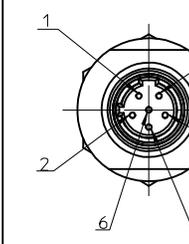
MALE RECEPTACLE ASSEMBLY

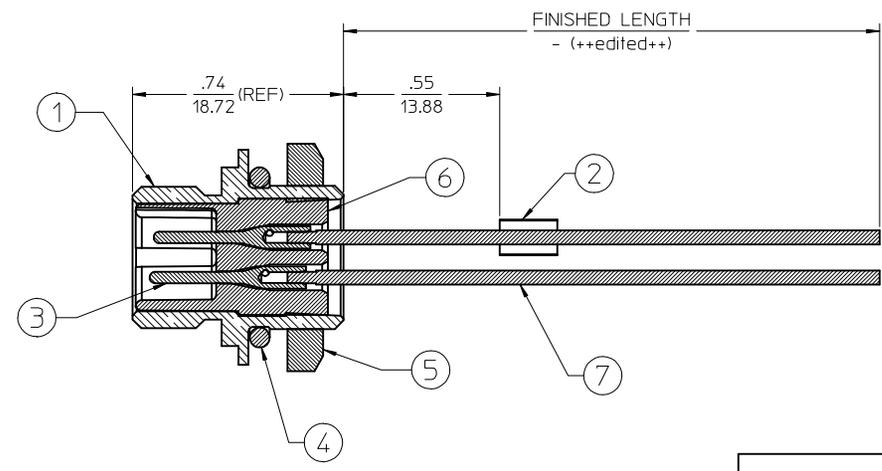
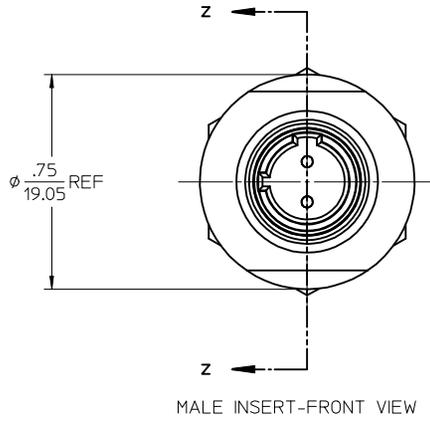
Sl. No.	DESCRIPTION	QUANTITY				
		2 POLE	3 POLE	4 POLE	5 POLE	6 POLE
1	RECEPTACLE SHELL #1/4-18 NPT	1	1	1	1	1
2	LABEL,SELF L.YELLOW(2.25X.75IN)	1	1	1	1	1
3	PIN CONT 2-4P MIC GLD #22AWG	2	3	4		
	PIN CONT 5&6P MICGLD #22AWG				5	6
4	O-RING .489 ID X .070 THK	1	1	1	1	1
5	#1/4-18IN NPS LOCKNUT	1	1	1	1	1
6	MIC 2P MALE INSERT (NYLON)	1				
	MIC 3P MALE INSERT (NYLON)		1			
	MIC 4P MALE INSERT (NYLON)			1		
	MIC 5P MALE INSERT (NYLON)				1	
	MIC 6P MALE INSERT (NYLON)					1
7	#22-1 BLU PVC WIRE UL1061	1				
	#22-1 GRN PVC WIRE UL1061		1	1	1	1
	#22-1 BRN PVC WIRE UL1061	1				
	#22-1 RED PVC WIRE UL1061			1	1	1
	#22-1 RED/WHT PVC WIRE UL1061		1	1	1	1
	#22-1 RED/BLK PVC WIRE UL1061		1	1	1	1
	#22-1 RED/BLU PVC WIRE UL1061					1
	#22-1 RED/YEL PVC WIRE UL1061				1	1

PART NUMBER	DESCRIPTION	FINISHED LENGTH
1200740030	7R2A06A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
1200740079	7R3A06A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
1200740140	7R4A06A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
1200740190	7R5A06A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
1200740241	7R6A06A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]

<b>ENTER DESCRIPTION</b> EC NO: MNA2010-0078 DRWN: NKUMAR01 2009/08/26 CHKD: 2009/08/27 APPR: JFMURPHY 2009/08/28 REV: A	<b>QUALITY SYMBOLS</b> 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM	SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	mm INCH ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY NKUMAR01	DATE 26/08/09	TITLE MIC 2P MR 12IN. 1/4NPT #22 PVC			
		ANGULAR ±1/2°		CHECKED BY BWOODMAN	DATE 26/08/09	APPROVED BY JFMURPHY			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	DATE 2009/08/27	MOLEX INCORPORATED		DOCUMENT NO. SD-120074-030	SHEET NO. 2 OF 2

# FACE VIEW - MALE INSERT SCALE 2 : 1

				
1 BROWN 2 BLUE	1 GREEN 2 RED/BLACK 3 RED/WHITE	1 RED/BLACK 2 RED/WHITE 3 RED 4 GREEN	1 RED/WHITE 2 RED 3 GREEN 4 RED/YELLOW 5 RED/BLACK	1 RED/WHITE 2 RED 3 GREEN 4 RED/YELLOW 5 RED/BLACK 6 RED/BLUE



FINAL ASSEMBLY  
1200740030 (SHOWN)

ENTER DESCRIPTION EC NO: MNA2010-0078 DRAWN BY: NKUMAR01 CHKD: 2009/08/27 APPR: JFMURPHY 2009/08/28	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± .01</td> <td>± .0004</td> </tr> <tr> <td>3 PLACES</td> <td>± .01</td> <td>± .0004</td> </tr> <tr> <td>2 PLACES</td> <td>± .01</td> <td>± .0004</td> </tr> <tr> <td>1 PLACE</td> <td>± .01</td> <td>± .0004</td> </tr> </tbody> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES	± .01	± .0004	3 PLACES	± .01	± .0004	2 PLACES	± .01	± .0004	1 PLACE	± .01	± .0004	DIMENSION STYLE IN/MM DRAWN BY: NKUMAR01 DATE: 26/08/09 CHECKED BY: BWOODMAN DATE: 26/08/09 APPROVED BY: JFMURPHY DATE: 2009/08/27	SCALE 2:1 DESIGN UNITS INCH	THIRD ANGLE PROJECTION TITLE MIC 2P MR 12IN. 1/4NPT #22 PVC	SHEET NO. 1 OF 2
		mm	INCH																		
	4 PLACES	± .01	± .0004																		
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1 PLACE	± .01	± .0004																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 2	MOLEX INCORPORATED SD-120074-030	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
MATERIAL NO. DOCUMENT NO.	SEE SHEET 2	MOLEX INCORPORATED SD-120074-030	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
REV A																					

MALE RECEPTACLE ASSEMBLY

Sl. No.	DESCRIPTION	QUANTITY				
		2 POLE	3 POLE	4 POLE	5 POLE	6 POLE
1	RECEPTACLE SHELL #1/4-18 NPT	1	1	1	1	1
2	LABEL,SELF L.YELLOW(2.25X.75IN)	1	1	1	1	1
3	PIN CONT 2-4P MIC GLD #22AWG	2	3	4		
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4	O-RING .489 ID X .070 THK	1	1	1	1	1
5	#1/4-18IN NPS LOCKNUT	1	1	1	1	1
6	MIC 2P MALE INSERT (NYLON)	1				
	MIC 3P MALE INSERT (NYLON)		1			
	MIC 4P MALE INSERT (NYLON)			1		
	MIC 5P MALE INSERT (NYLON)				1	
	MIC 6P MALE INSERT (NYLON)					1
7	#22-1 BLU PVC WIRE UL1061	1				
	#22-1 GRN PVC WIRE UL1061		1	1	1	1
	#22-1 BRN PVC WIRE UL1061	1				
	#22-1 RED PVC WIRE UL1061			1	1	1
	#22-1 RED/WHT PVC WIRE UL1061		1	1	1	1
	#22-1 RED/BLK PVC WIRE UL1061		1	1	1	1
	#22-1 RED/BLU PVC WIRE UL1061					1
	#22-1 RED/YEL PVC WIRE UL1061				1	1

PART NUMBER	DESCRIPTION	FINISHED LENGTH
1200740030	7R2A06A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
1200740079	7R3A06A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
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1200740190	7R5A06A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
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<b>ENTER DESCRIPTION</b> EC NO: MNA2010-0078 DRAWN BY: DRWINAKUMAR01 2009/08/26 CHKD: 2009/08/27 APPR: JFMURPHY 2009/08/28 REV: A	<b>QUALITY SYMBOLS</b> 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM	SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	mm INCH ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY: NKUMAR01 DATE: 26/08/09	CHECKED BY: BWOODMAN DATE: 26/08/09	TITLE MIC 2P MR 12IN. 1/4NPT #22 PVC			
		ANGULAR ±1/2°		APPROVED BY: JFMURPHY DATE: 2009/08/27	MATERIAL NO. SEE CHART DOCUMENT NO. SD-120074-030				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				