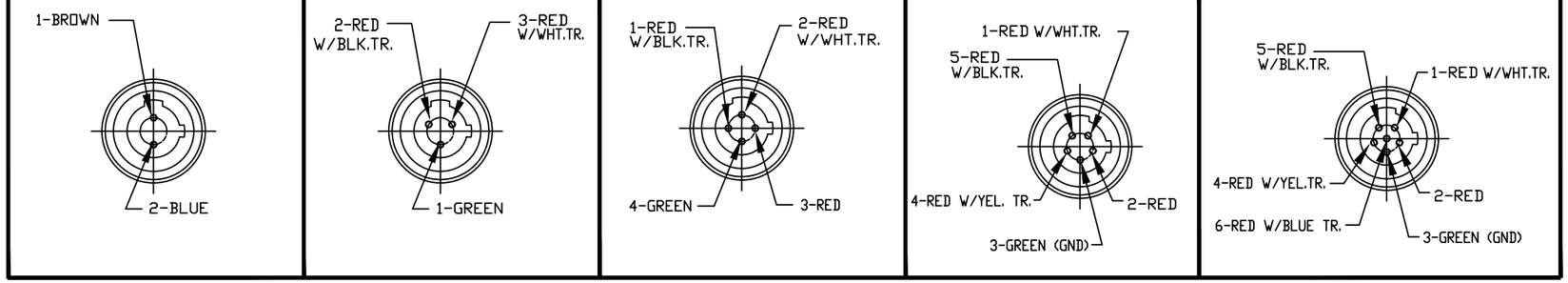
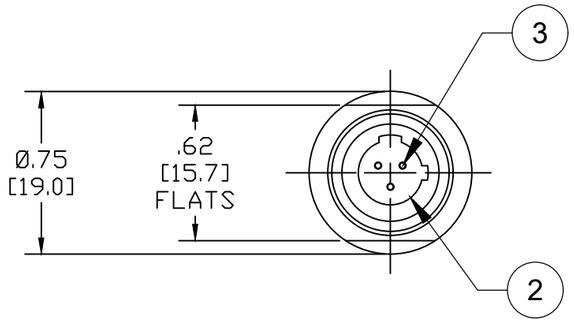
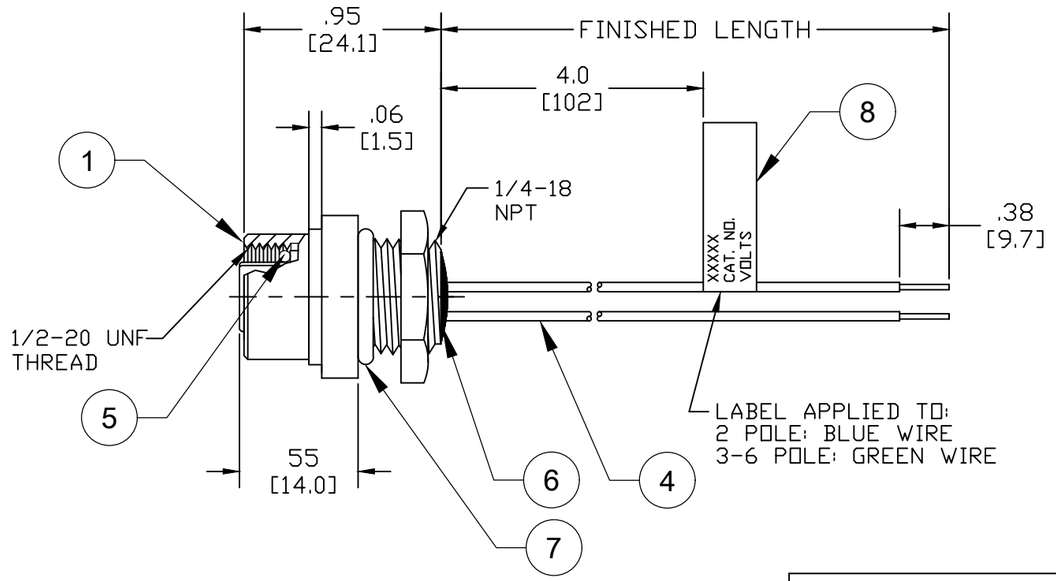
FRONT VIEW — FEMALE INSERT WIRING COLOR CODE



CABLE LENGTH TOLERANCES
>.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH

NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE: 250V AC/DC
   CURRENT: 4A
4. TEMP RATING: -25°C TO +105°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: AS NOTED
7. UL LISTED FILE: E152210
   CSA CERTIFIED FILE: LR6837
8. ALL DIMS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

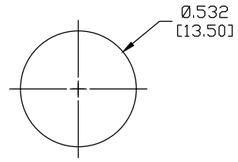




PART NUMBER LEGEND

7R2A00A19A1201

- 7R2: POLES: 2-6
- A00: RECEPTACLE SHELL MATERIAL
  BLANK= ALUM, CLEAR ANNODIZE
  01: ST. STEEL 303, PASSIVATED
- A19: FINISHED LENGTH:
  A120= 12 IN.
  F020= 2 FEET
  F100= 10 FEET
- A1201



REF. KNOCKOUT HOLE

POLES	PART NO.	ENGINEERING NO.	FINISHED LENGTH	RECEPTACLE SHELL MATERIAL	RECEPTACLE SHELL FINISH
2	1200740014	7R2A00A19A120	12.0 IN. [305MM]	ALUMINUM	CLEAR ANODIZE
3	1200740059	7R3A00A19A1201	3.0 FT [0.9M]	303SS	PASSIVATED
4	1200740122	7R4A00A19A120	12.0 IN. [305MM]	ALUMINUM	CLEAR ANODIZE
5	1200740181	7R5A00A19F030	3.0 FT [0.9M]	ALUMINUM	CLEAR ANODIZE
6	1200740239	7R6A00A19F0601	6.0 FT [1.8M]	303SS	PASSIVATED

ITEM	DESCRIPTION	MATERIAL	FINISH
8	FLAG LABEL	VINYL	BLACK/YELLOW
7	O-RING (PANEL SEAL)	NITRILE	BLACK
6	POTTING MATERIAL	EPOXY	
5	O-RING (MATING SEAL)	NITRILE	RED
4	WIRE 22AWG (UL1061)	PVC INSULATION	SEE FACE VIEW
3	CONTACT SOCKET	COPPER ALLOY	GOLD PLATED
2	FEMALE INSERT	NYLON	BLACK
1	RECEPTACLE SHELL	SEE P/N CHART	SEE P/N CHART

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SYMBOLS: = 0

DIMENSION UNITS: INCH/MM
SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±----	±----
3 PLACES	±----	±----
2 PLACES	±----	±----
1 PLACE	±----	±----
0 PLACES	±----	±----

ANGULAR TOL ± ---- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: RELEASED

EC NO: 629085
DRWN: RSTONE 2019/11/25
CHK'D: MZIELINSKI 2019/12/12
APPR: BWOODMAN 2020/01/02

INITIAL REVISION:
DRWN: RSTONE 2019/11/25
APPR: BWOODMAN 2020/01/02

THIRD ANGLE PROJECTION
DRAWING: B-SIZE
SERIES: 120074

molex

MICRO-CHANGE FEMALE RECEPTACLE
2-6 POLE, DUAL KEY, 22AWG, AC COLOR

PRODUCT CUSTOMER DRAWING

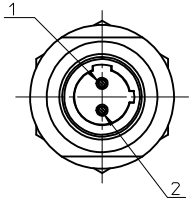
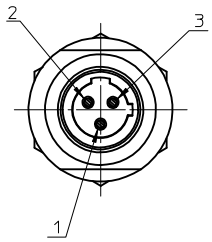
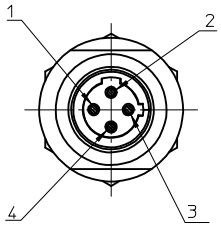
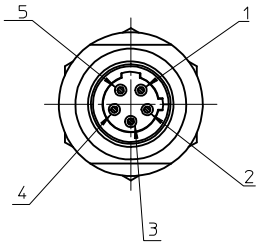
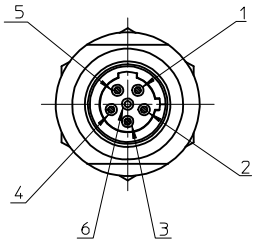
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1200740014	PSD	000	A

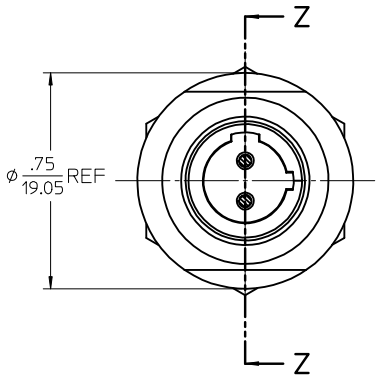
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	----	1 OF 1

DOCUMENT STATUS: P1 | RELEASE DATE: 2020/01/02 17:54:02

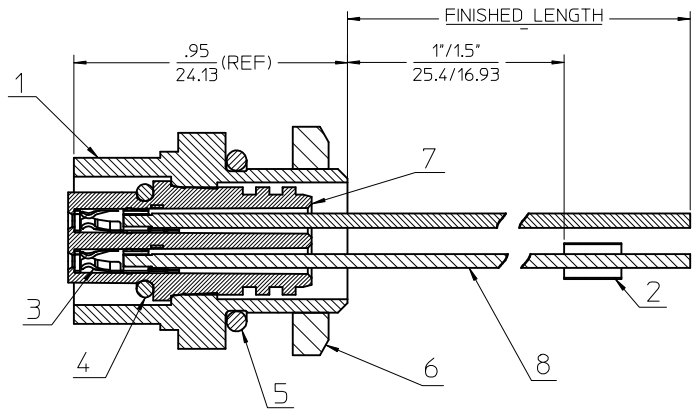
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REVISION: A1
DATE: 2019/06/12

FACE VIEW - FEMALE 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



FEMALE INSERT - FRONT VIEW



SECTION Z-Z

FINAL ASSEMBLY
1200740014 (SHOWN)

ENTER DESCRIPTION
EC NO: WNA2010-0078 2009/08/25
DRWN:NKUMAR01 2009/08/27
CHKD:
APPR: JFMURPHY 2009/08/28
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
▽(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	IN/MM
SCALE	2:1
DESIGN UNITS	INCH
	THIRD ANGLE PROJECTION
DRAWN BY	NKUMAR01
DATE	25/08/09
CHECKED BY	BWOODMAN
DATE	25/08/09
APPROVED BY	JFMURPHY
DATE	2009/08/27
MATERIAL NO.	SEE SHEET 2
TITLE	MIC 2P F/FR 12IN. 1/4NPT #22 P
	MOLEX INCORPORATED
DOCUMENT NO.	SD-120074-014
SHEET NO.	1 OF 2
SIZE	C

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		FEMALE RECEPTACLE ASSEMBLY				
		2 POLE	3 POLE	4 POLE	5 POLE	6 POLE
Sl. No.	DESCRIPTION	QUANTITY				
1	MIC RCPT SHELL FEM 1/4INNPT GRY	1	1	1	1	1
2	LABEL,SELF L.YELLOW(2.25X.75IN)	1	1	1	1	1
3	MIC SOCKET CONTACT - GOLD PLATED				5	6
	MIC SOCKET CONTACT - GOLD PLATED	2	3	4		
4	O-RING.276 ID X .059 THK RED	1	1	1	1	1
5	O-RING .489 ID X .070 THK	1	1	1	1	1
6	#1/4-18IN NPS LOCKNUT	1	1	1	1	1
7	MIC 2P FI (NYLON) PLAIN	1				
	MIC 3P FI (NYLON) PLAIN		1			
	MIC 4P FI (NYLON) PLAIN			1		
	MIC 5P FI (NYLON) PLAIN				1	
	MIC 6P FI (NYLON) PLAIN					1
8	#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
1200740014	7R2A00A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
1200740058	7R3A00A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
1200740122	7R4A00A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
1200740178	7R5A00A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]
1200740232	7R6A00A19A120	12.0" +.75" -0 [0.3M +19.1MM -0]

ENTER DESCRIPTION
EC NO: WNA2010-0078 2009/08/25
DRWN:NKUMAR01 2009/08/27
CHKD:
APPR: JFMURPHY 2009/08/28
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: NKUMAR01 DATE: 25/08/09
CHECKED BY: BWOODMAN DATE: 25/08/09
APPROVED BY: JFMURPHY DATE: 2009/08/27

TITLE: MIC 2P F/FR 12IN. 1/4NPT #22 P

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-120074-014
SHEET NO.: 2 OF 2
SIZE: C

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