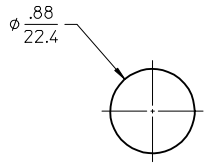
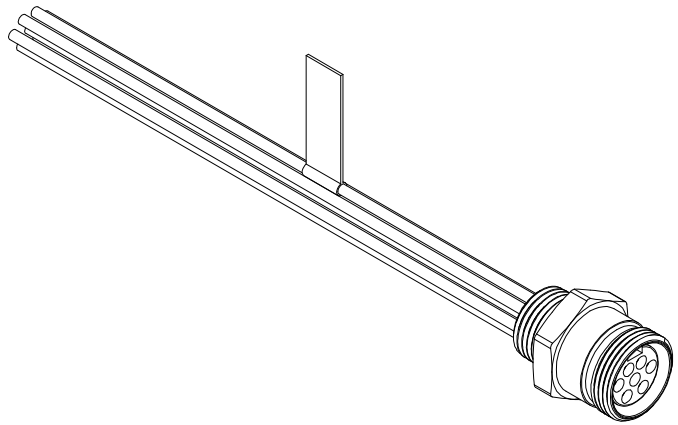
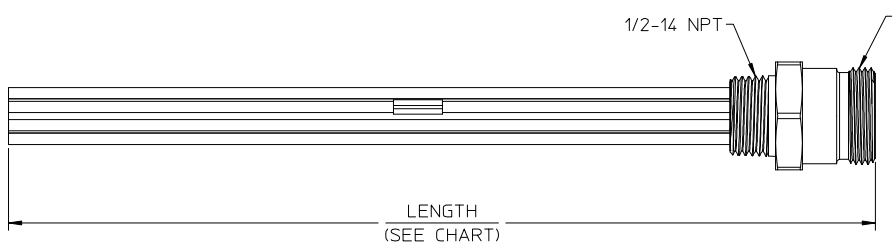
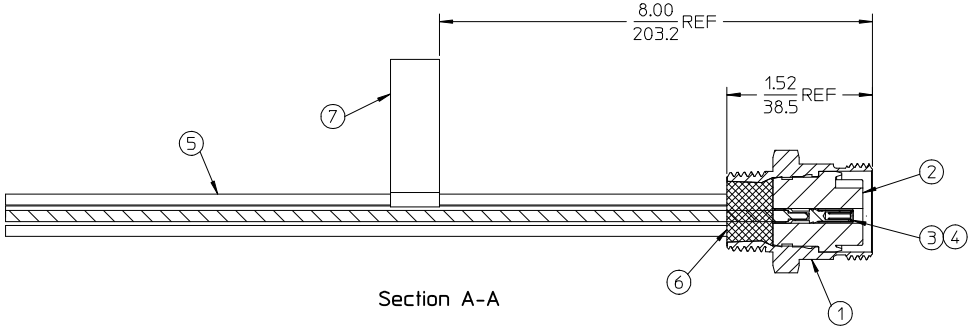
MATERIAL NO.	ENGINEERING NO.	LENGTH
1300140037	2R7004A20A120	12" +.75-0 [305mm +19.0-0]
1300140042	2R7004A20F060	6'0" +2.19-0 [1.8M +55.6-0]



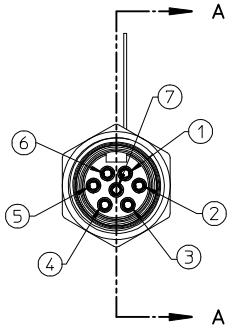
REF. KNOCK-OUT HOLE







Section A-A



1	WHITE/BLACK
2	BLACK
3	WHITE
4	RED
5	ORANGE
6	BLUE
7	GREEN/YELLOW-GND

NOTES:
1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. MATES WITH: 7/C MINI-CHANGE CORD ASSY.
4. ELECTRICAL SPECIFICATIONS:
   VOLTAGE RATING: 600V AC/DC
   CURRENT RATING: 8 AMPS
5. RoHS COMPLIANT

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
7	1	LABEL	PLASTIC FILM	BLACK/YELLOW
6	1	POTTING	EPOXY	
5	7	WIRE, 16 AWG (UL 1015)	PVC INSULATED	SEE WIRE DIAGRAM
4	7	SOCKET SLEEVE	ST.STEEL	
3	7	CONTACT SOCKET	BRASS	GOLD PLATED
2	1	INSERT	PVC	YELLOW
1	1	RECEPTACLE SHELL	ZINC ALLOY	E-COAT, BLACK

RELEASED
EC NO: WNA2009-0813 2009/06/09
DRWN:BRUPERT 2009/06/10
CHKD:BRUPERT
APPR:JFMURPHY
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
▽(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

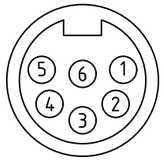
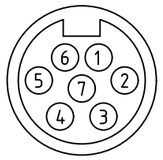
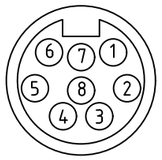
DRAWN BY: BRUPERT DATE: 06/05/2009
CHECKED BY: B.WOODMAN DATE: 06/05/2009
APPROVED BY: J.MURPHY DATE: 06/05/2009

TITLE: MINI-CHANGE RECEPTACLE FEMALE, 7 POLE 1/2 IN NPT

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-130014-006
SHEET NO.: 1 OF 1
SIZE: C

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

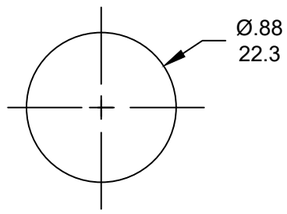
FACE VIEW-FEMALE INSERT		
		
1 ORANGE 2 BLUE 3 BLACK 4 WHITE 5 RED 6 GREEN/YELLOW	1 WHITE/BLACK 2 BLACK 3 WHITE 4 RED 5 ORANGE 6 BLUE 7 GREEN/YELLOW	1 ORANGE 2 BLUE 3 WHITE/BLACK 4 BLACK 5 WHITE 6 RED 7 GREEN/YELLOW 8 RED/BLACK

PART NO. MATRIX

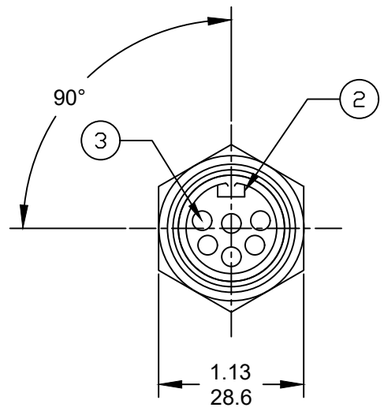
2R8004A20M005

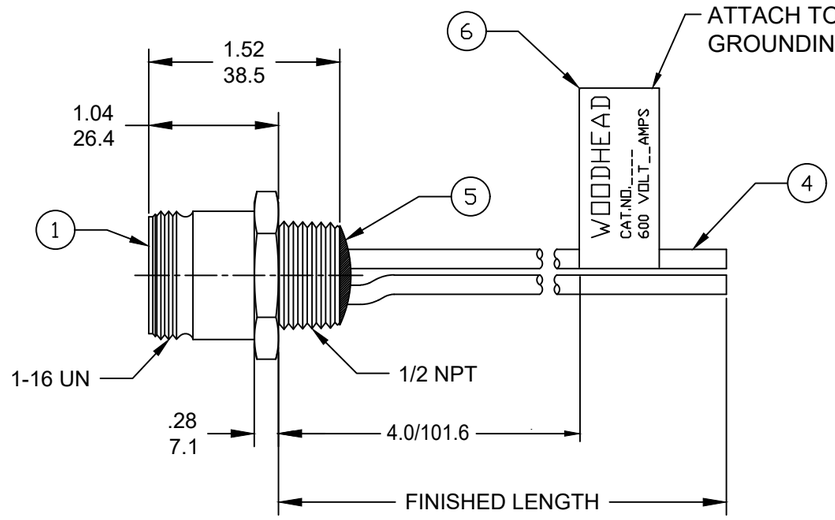
- POLES 6-8
- FINISHED LENGTH:
  - A120= 12 IN.
  - F020= 2 FEET
  - F200= 20 FEET
  - M005= 0.5 METER
  - M010= 1 METER
  - M100= 10 METER

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



REF. KNOCKOUT HOLE





NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE: 6 THRU 8P 600V PER UL 2238
   6P 400V PER IEC 60664
   7 & 8P 320V PER IEC 60664
   CURRENT: 6 & 7 POLE: 8A
   8 POLE: 7A
4. TEMP RATING: -20°TO +105°C
5. PROTECTION: IP67 (WHEN MATED)
6. UL RECOGNIZED, FILE: E152210
   CSA CERTIFIED, FILE: LR6837 (B)
7. ALL DIMENSIONS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

(B)	PART NO	ENGINEERING NO.	FINISHED LENGTH
	1300140015	2R6004A20A120	12 IN [0.3M]
	1300140042	2R7004A20F060	6 FT [1.8M]
	1300140158	2R8004A20M040	4.0M [13 FT 1 IN]

ITEM	COMPONENT	MATERIAL	FINISH	
6	FLAG LABEL	VINYL	BLACK/YELLOW	
5	POTTING MATERIAL	EPOXY		
4	WIRE, 16 AWG UL (1015)	PVC INSULATION	SEE FACE VIEW	
3	CONTACT SOCKET	COPPER ALLOY	GOLD PLATED	
2	INSERT	TPE	YELLOW	(B)
1	RECEPTACLE SHELL	ZINC DIE-CAST	BLACK	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: FA=0, FC=0, FP=0
DIVISIONAL SYMBOLS

DIMENSION UNITS: INCH/MM | SCALE: ---

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: ITEM #2 WAS PVC, CSA ADDED IN NOTES & MATERIAL TABLE MODIFIED

EC NO: 641453
DRWN: ABENJAMINLW 2020/05/18
CHK'D: RSTONE 2020/07/20
APPR: BWOODMAN 2020/07/27

INITIAL REVISION:
DRWN: RSTONE 2016/12/07
APPR: BWOODMAN 2017/01/16

THIRD ANGLE PROJECTION | DRAWING: B-SIZE | SERIES: 130014 | MATERIAL NUMBER: SEE_CHART | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 1 OF 1

molex

MINI-CHANGE RECEPTACLE, B-SIZE
6 TO 8 POLE, FEMALE, STRAIGHT, SINGLE KEY, 16 AWG

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130014-009	PSD	001	B

DOCUMENT STATUS: P1 | RELEASE DATE: 2020/07/27 17:35:18

FORMAT: ACAD-tb-prod-B
REVISION: B
DATE: 2020/01/14