

ASSEMBLY NOTES:

1. SLIDE COMPONENTS ONTO CABLE AS SHOWN
REF. ITEMS 1, 2 & 4 ARE PRE-ASSEMBLED
2. CABLE PREP: (SEE SHEET 2)
3. PULL TERMINATED RJ-45 PLUG (#7) INTO PLUG HOLDER (#4)
WITH LOCKING TAB ALIGNED WITH SLOT ON PLUG HOLDER
DEPRESS LOCKING TAB DOWN BEFORE SEATING PLUG
INTO FINAL POSITION
4. INSTALL RETAINER WEDGE (#5) INTO SLOT LOCATED ON
UNDERSIDE OF PLUG HOLDER (#4) SEE DETAIL 1
5. TURN SEAL NUT UNTIL CABLE SEAL IS TIGHT ONTO PLUG HOLDER
AND CABLE JACKET IS SECURELY CLAMPED
6. SLIDE COUPLING RING (#3) INTO POSITION SHOWN ON ASSEMBLY VIEW

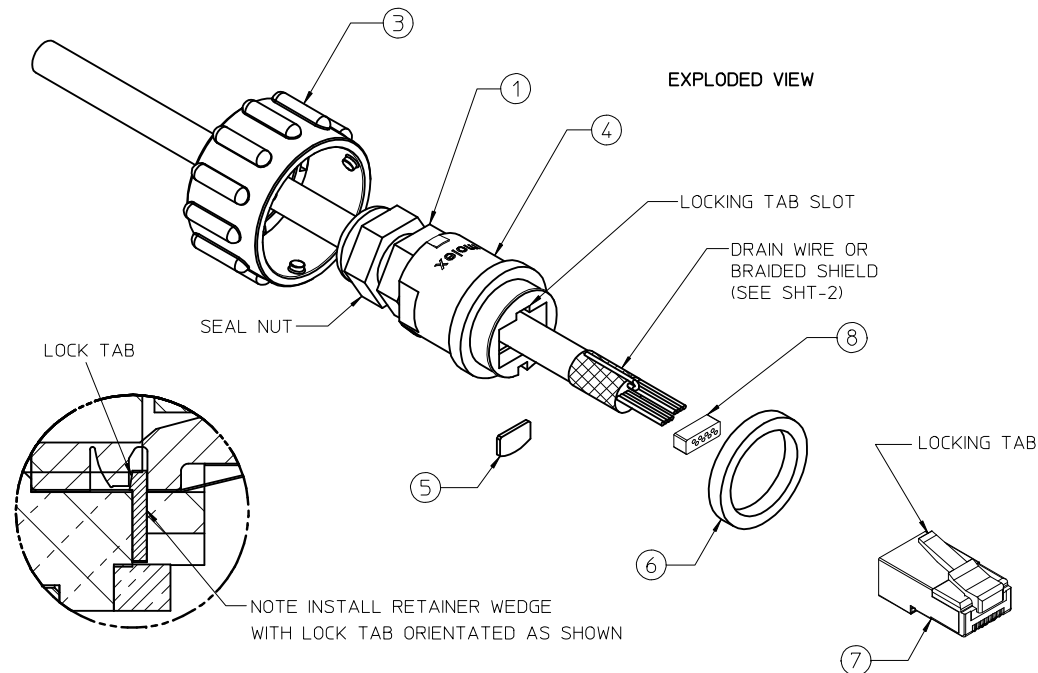
NOTES:

1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. PACKAGING: PARTS ARE PACKED IN A
CLEAR POLY BAG ALONG WITH ASSEMBLY
INSTRUCTIONS
5. ASSEMBLY IS RoHS COMPLIANT

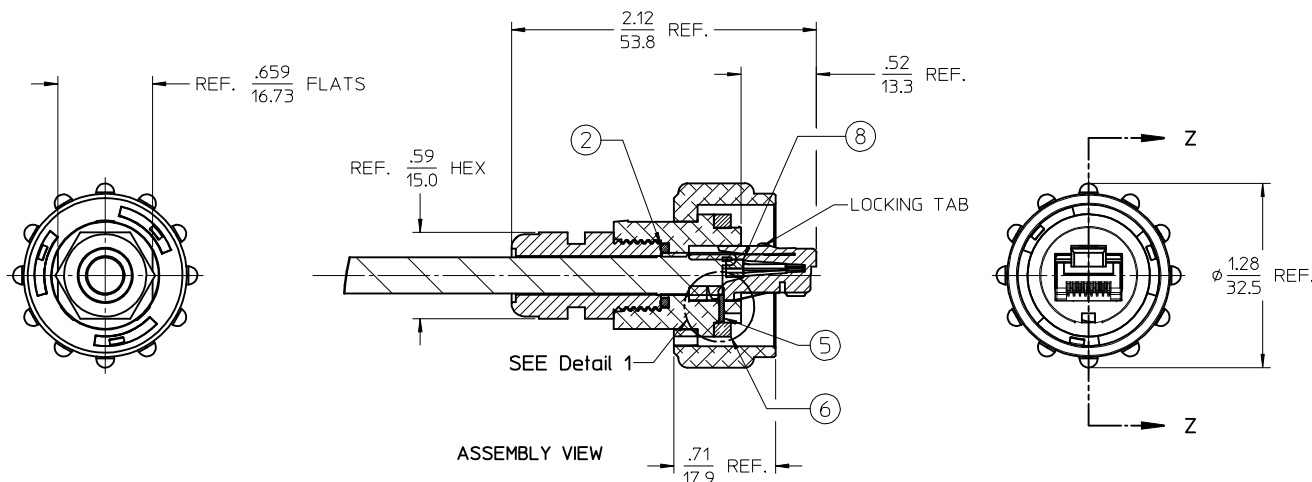
ENGINEERING SPECS:

1. WIRE RANGE:
OD: .217IN/5.51mm TO .256IN/6.50mm
CONDUCTOR TYPE: SOLID OR STRANDED
CONDUCTOR RANGE: 22 TO 28 AWG
CONDUCTOR OD RANGE: .037IN/0.94mm TO .042IN/1.07mm
2. ELECTRICAL SPECS (RJ-45)
A. VOLTAGE: 30VAC/42VDC
B. CURRENT: 1.5 AMPS
3. OPERATING TEMP: -40°C TO 85°C (-40°F TO 185°C)

REF. THIS DRAWING SUPERSEDES SD-84700-0002 REV-C



Detail 1
Scale 5:1



8	1	LOAD BAR	POLYCARBONATE	
7	1	RJ-45 PLUG (SHIELDED)	POLYCARB/Cu ALLOY	GOLD PLATED CONTACTS
6	1	GASKET SEAL	NITRILE	BLACK
5	1	RETAINER WEDGE	POLYESTER (PBT)	BLACK
4	1	PLUG HOLDER	POLYESTER (PBT)	BLACK
3	1	COUPLING RING (BAYONET LOCK)	POLYESTER (PBT)	BLACK
2	1	O-RING	NITRILE	
1	1	CABLE SEAL ASSEMBLY	NYLON/TPE GLAND	BLACK
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

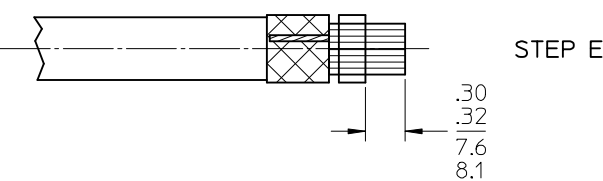
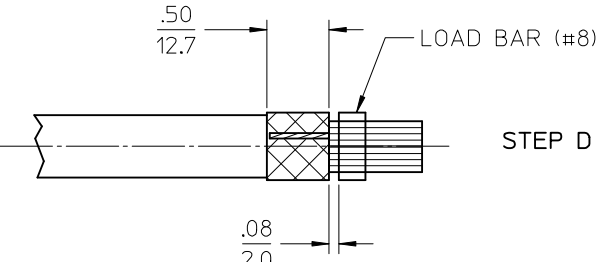
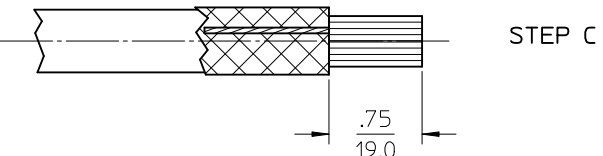
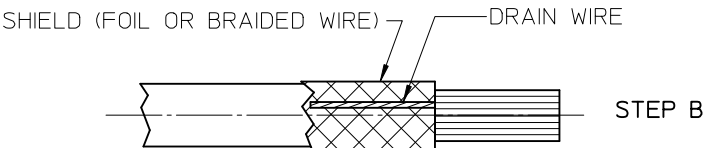
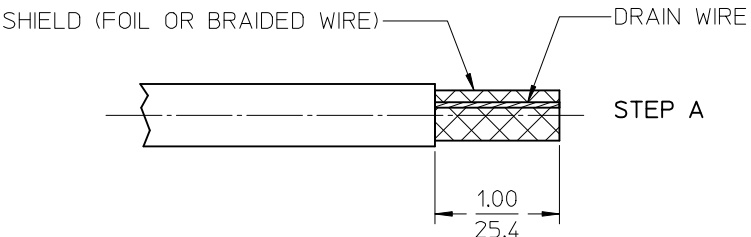
REDRAWN - ADDED NOTES
EC NO: JG2013-1456
DRAWN: STONE 2013/03/19
CHKD: RUPERT 2013/03/22
APPR: JFMURPHY 2013/06/24

QUALITY SYMBOLS
▽=0
▽=0

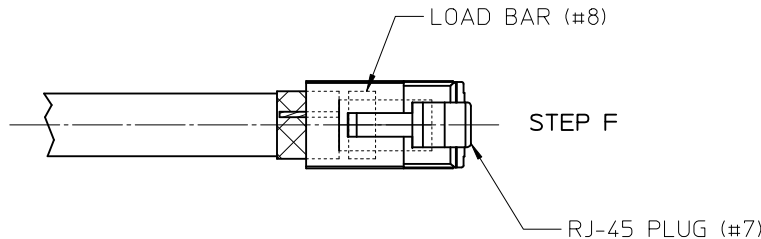
GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± 0.3 ± .01
0 PLACE ± --- ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM
DRAWN BY DATE
RSTONE 2013/03/19
CHECKED BY DATE
B RUPERT 2013/03/22
APPROVED BY DATE
JFMURPHY 2013/06/24
MATERIAL NO.
847000002

SCALE
1.5:1
DESIGN UNITS
INCH
THIRD ANGLE PROJECTION
RJ-45 PLUG ASSEMBLY
FIELD WIRED
molex
DOCUMENT NO.
SD-84700-012
SHEET NO.
1 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



- CABLE PREP:
- A. STRIP OUTER INSULATION 1.00 IN
 - B. FOLD DRAIN WIRE AND OR BRAIDED SHIELD (SEE REF. NOTE) BACK OVER OUTER JACKET
 - C. TRIM WIRES STRAIGHT TO .75 INCHES AND ARRANGE THEM IN PROPER ORDER
 - D. TRIM DRAIN WIRE AND OR SHIELD AS SHOWN THEN SLIDE LOAD BAR (#8) ON TO WIRES TO .08 INCHES AHEAD OF JACKET
 - E. TRIM WIRES TO .30 TO .32 (AHEAD OF LOAD BAR)
 - F. ALIGN RJ-45 PLUG (#7) AND INSERT PREPARED CABLE INTO BACK OF PLUG UNTIL WIRES ARE SEATED INTO PLUG VERIFY WIRE POSITIONS BEFORE FINAL TERMINATION IS COMPLETED
 - G. CRIMP WITH RECOMMENDED HAND TOOL:
SENTINEL CONNECTOR SYSTEMS P/N: 900000/900208 OR 900005/900216-1



REF. NOTE: STEPS MAY VARY DEPENDING ON TYPE OF SHIELDING USED ON CABLE.

QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				IN/MM		1.5:1	INCH		
		mm	INCH	DRAWN BY	DATE	TITLE			
4 PLACES		± .005	± .0005	DRWNRSTONE	2013/03/19	RJ-45 PLUG ASSEMBLY FIELD WIRED		molex	
3 PLACES		± .005	± .0005	CHECKED BY	DATE				
2 PLACES		± .005	± .0005	B RUPERT	2013/03/22				
1 PLACE		± .005	± .0005	APPROVED BY	DATE				
0 PLACE		± .005	± .0005	JFMURPHY	2013/06/24				
ANGULAR ± 2 °				MATERIAL NO.		DOCUMENT NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE SHEET 1		SD-84700-012		SHEET NO. 2 OF 2	
				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			