

10

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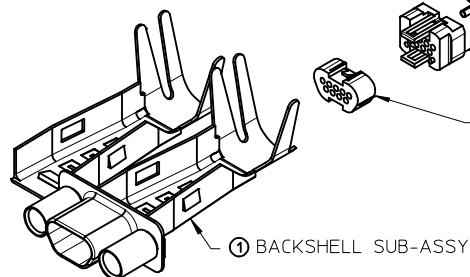
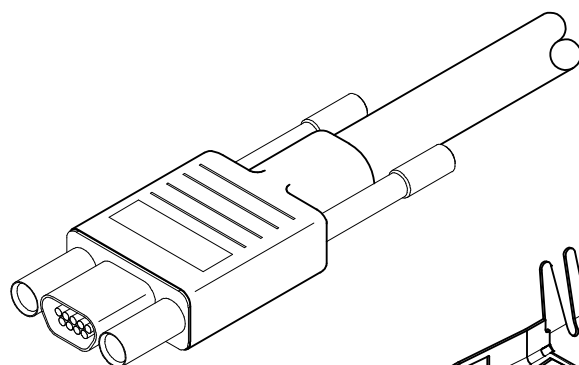
4

3

2

83421

MATERIAL NO.	ENGINEERING NO.	SIZE	A REF.	B ± .010
834219014	83421-9014	9	19.93 (.785)	14.35 (.565)
834229014	83422-9014	15	23.75(.935)	18.16 (.715)
834249014	83424-9014	25	30.10 (1.185)	24.51 (.965)



2 SOCKET CONTACT

5 BLACK INSULATOR BOOT

6 JACKSCREW
HAND TIGHTEN TO
MATING CONNECTOR

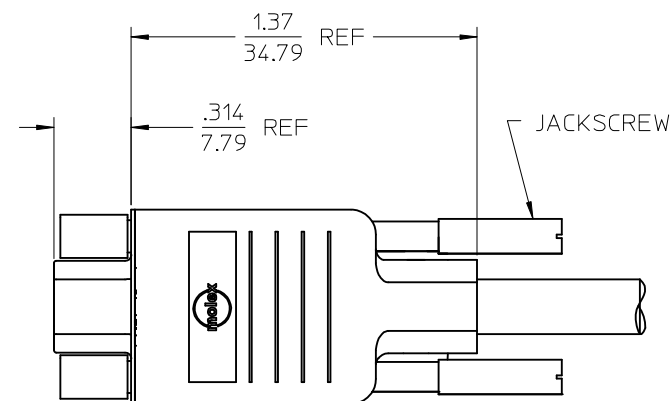
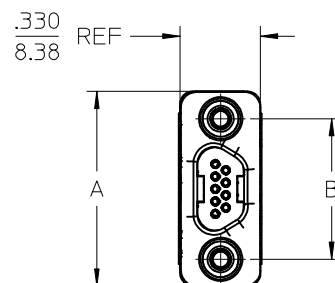
4 CRIMP RING

3 REAR INSULATOR

2 FRONT INSULATOR

1 BACKSHELL SUB-ASSY

7	1	ASSEMBLY INSTRUCTIONS NOT SHOWN
6	2	2-56 JACKSCREW UNDIPPED
5	1	RUBBER BOOT MICRO-D
4	1	CRIMP RING MICRO-D
3	1	REAR INSULATOR
2	1	FRONT INSULATOR
1	1	BACKSHELL SUB-ASSY, MICRO-D SIZE 15
ITEM	ITEM	DESCRIPTION



3. ROHS COMPLIANT

2. CONTACTS SOLD SEPARATELY. ORDER BY:
P/N 830009502 (2500 CONTACT REEL)
P/N 830009503 (50000 CONTACT REEL)
P/N 830000083 (LOOSE CONTACTS)

1. REFER TO PS-83421-001 FOR PRODUCT SPECIFICATION

NOTES: UNLESS OTHERWISE SPECIFIED

ADDED LAYOUT VIEW EC NO: IPG2014-0111 DRWN: BARDEN CHKD: BWOODMAN APPR: BWOODMAN 2013/07/16 2013/07/25	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY URBACH	DATE 99/09/03	CONNECTOR KIT, RECEPTACLE, W/2-56 JACKSCREWS molex		
			4 PLACES	± ---	± ---	CHECKED BY HEB	DATE 02/01/31			
			3 PLACES	± ---	± ---	APPROVED BY RWD	DATE 02/01/31			SD-83421-002
			2 PLACES	± ---	± ---	MATERIAL NO.				
1 PLACE	± ---	± ---	SEE CHART							
			0 PLACE	± ---	± ---	ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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1

10	9	8	7	6	5	4	3	2	1
MATERIAL NUMBER	ENGINEERING NUMBER								
834219101	83421-9101								

CONNECTOR ASSEMBLY INSTRUCTIONS

1 SLIDE INSULATOR BOOT OVER CABLE.

2 SLIDE CRIMP RING OVER CABLE.
BRAIDED SHIELD FOLDS BACK OVER CRIMP RING.

3 STRIP CABLE PER STRIPPING INSTRUCTIONS. (SH 1&2)

4 CRIMP CONTACTS PER CRIMP INSTRUCTIONS. (SH2)
SEE 638522000 & 638622000 FOR APPLICATOR, TERMINATOR DIE AND CRIMP SPEC..
SEE 638114800 FOR HAND TOOL AND CRIMP SPEC.

5 INSERT CONTACTS INTO BACK OF REAR INSULATOR USING NEEDLE NOSE PLIERS WITH A 3/64in/1MM TIP
(SPECIAL CARE MUST BE TAKEN NOT TO DAMAGE LOCKING WINGS).
PUSH CONTACT INTO REAR INSULATOR UNTIL "WINGS" ON CONTACT SNAP OPEN.
CONTACT SHOULD NOT EXTEND BEYOND THE BACK OF INSULATOR.
PLACE FRONT INSULATOR ONTO REAR INSULATOR ASSURING PROPER ALIGNMENT OF CONTACTS.
CONTINUE TO PUSH UNTIL FRONT AND REAR INSULATOR SNAP TOGETHER.
LIGHTLY PULL CRIMPED WIRE TO ENSURE TERMINAL HAS LOCKED INTO INSULATOR.
-WARNING PULLING TO HARD CAN DAMAGE CONTACT-

6 APPLY ADHESIVE LOCITE 416 OR EQUIVANT AROUND EACH WIRE AS SHOWN,
WHERE WIRE ENTERS INSULATOR

7 MOUNT INSULATOR SUBASSEMBLY IN BACKSHELL SUBASSEMBLY
PER ASSY INSTRUCTION. (SH2)

8 CLOSE BACKSHELL SUBASSEMBLY AROUND CABLE SHIELD PER
INSTRUCTIONS. (SH 2)

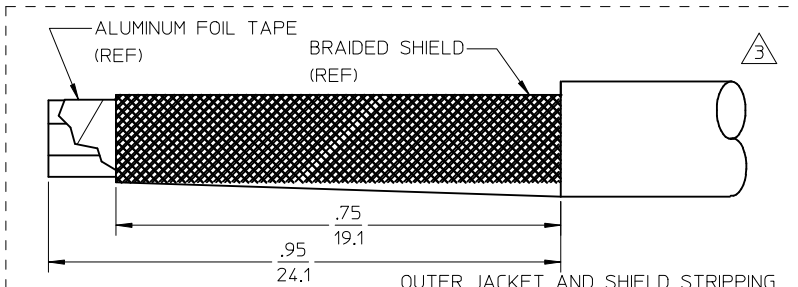
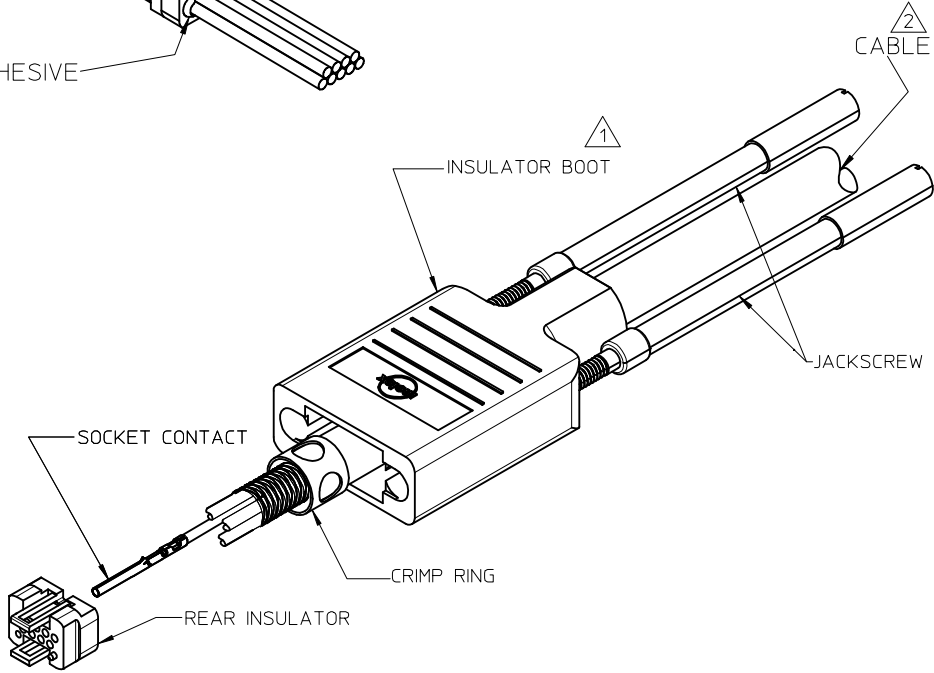
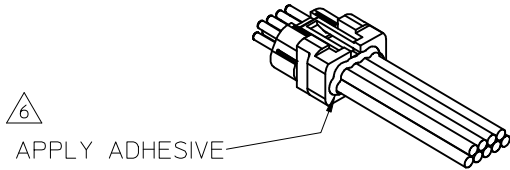
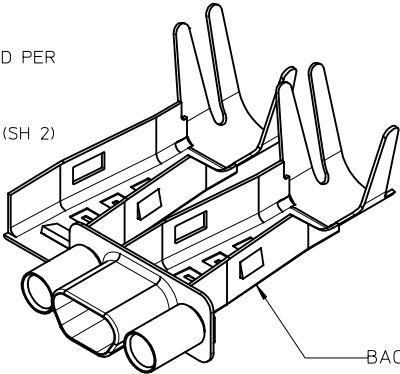
9 CRIMP BACKSHELL TO METAL BRAID PER INSTRUCTIONS. (SH 2)
SEE CRIMP SPEC.

	9 POSITION	15 POSITION	25 POSITION
MOLEX PRESS	622008900	622019800	622020000
CRIMP KIT	622009000	622019900	622020100

10 SLIDE BOOT OVER BACKSHELL SUBASSEMBLY.

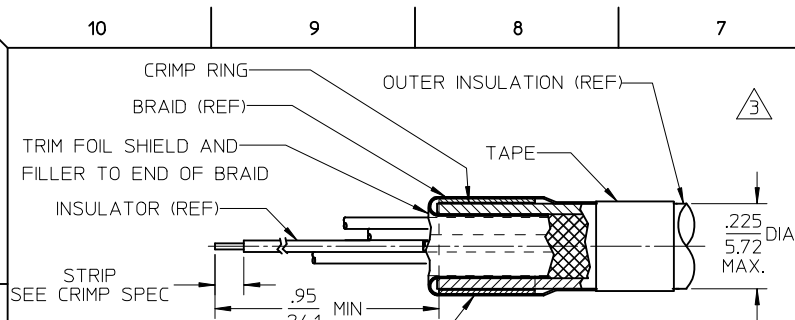
11 INSERT JACKSCREWS INTO BOOT.

12 USE WITH MOLEX TERMINALS 830009502, 830009503 OR 830000083

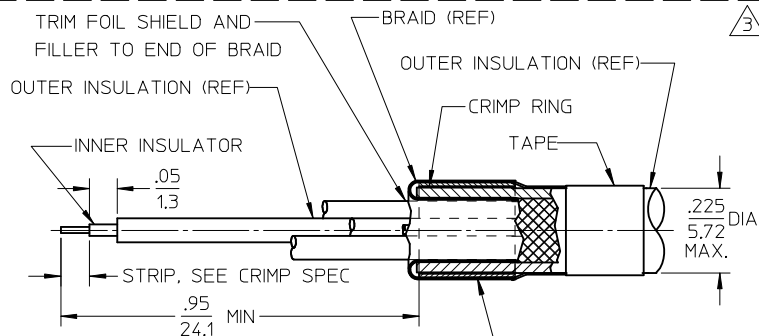


9 POSITION SHOWN

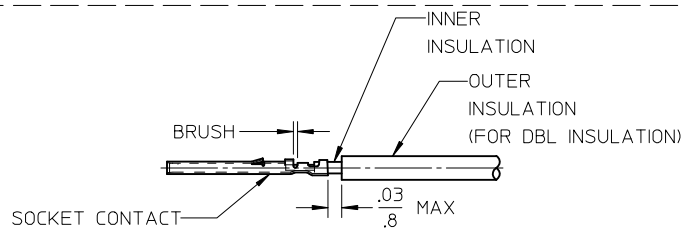
ADDED VIEW & NOTE EC NO: IPG2014-1862 DRAWN:GGUSTAFSON 2014/04/25 CHKD: APPR:BWODMAN 2014/05/09 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
					IN/MM		2:1	INCH	
					DRAWN BY	DATE	TITLE		
					GGUSTAFSON	2014/03/26			
					CHECKED BY	DATE	ASSEMBLY INSTRUCTIONS COMMERCIAL MICRO D CONNECTOR		
					APPROVED BY	DATE	MOLEX MOLEX INCORPORATED		
					BWODMAN	2014/04/04			
		ANGULAR ±---°		MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-83421-040		1 OF 2	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



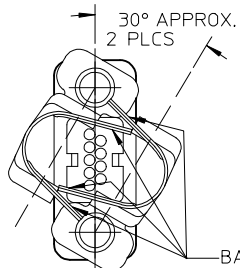
FOLD BRAID BACK OVER CRIMP RING AND COMB EVENLY 360° AROUND RING, PLACE ADHESIVE TAPE AROUND BRAID AS SHOWN
CONDUCTOR STRIPPING (SINGLE INSULATED WIRE)



FOLD BRAID BACK OVER CRIMP RING AND COMB EVENLY 360° AROUND RING, PLACE ADHESIVE TAPE AROUND BRAID AS SHOWN.
CONDUCTOR STRIPPING DOUBLE INSULATED WIRE



CONTACT CRIMP DETAIL SEE CRIMP SPEC



OPEN BOTH BACKSHELL HALVES TO APPROX 30° ALLOW SIMULTANEOUS CLOSING WITHOUT TINE INTERFERENCE.

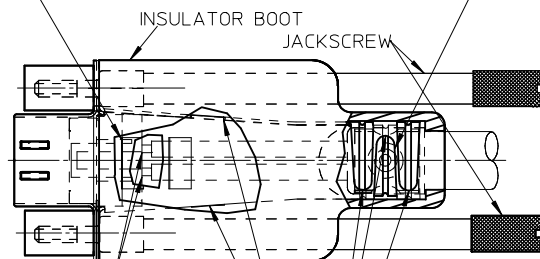
OPENING TINES MORE MAY MAKE CLOSING EASIER. AFTER CLOSING IT IS RECOMMENDED THAT TINES BE CLOSED BY HAND TO PARALLEL FOR EASIER CRIMPING.

BACKSHELL TINES(REF)

5 7 9 10 11

NOTES: INSULATOR SUBASSEMBLY MUST SIT AGAINST FRONT SHELL TO ENSURE RETENTION WHEN BACKSHELLS ARE CLOSED.

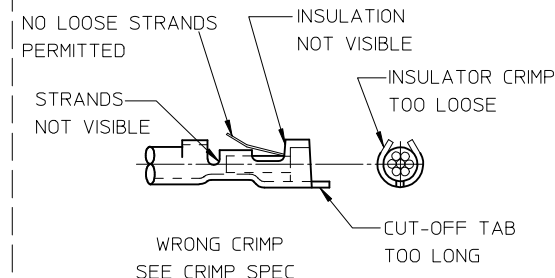
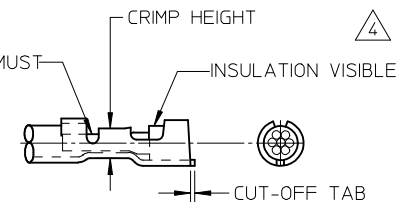
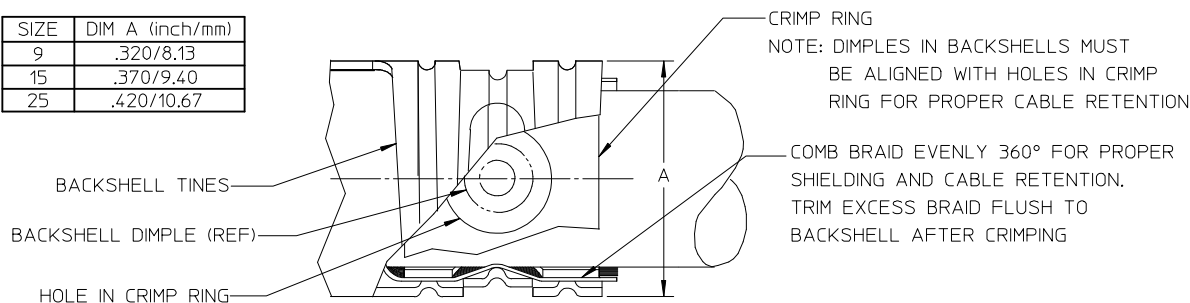
HOLES IN CRIMP RING MUST ALIGN WITH DOMPLES IN BACKSHELLS FOR CRIMP TO RETAIN CABLE.



CONTACTS FLUSH TO BELOW INSULATOR USING NEEDLE NOSE PLIERS
 LATCH BOTH BACKSHELLS USING BOTH SIDE LATCHES

AFTER CRIMPING, TINES SHOULD ALIGN IN THE GROOVE OF THE OPPOSING TINE AS SHOWN

SIZE	DIM A (inch/mm)
9	.320/8.13
15	.370/9.40
25	.420/10.67



RELEASED
 EC NO: IPG2014-1862
 DRWN:GGUSTAFSON 2014/04/25
 CHKD:
 APPR:BWODMAN 2014/05/09

QUALITY SYMBOLS
 ▽=0
 ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE IN/MM
 DRAWN BY GGUSTAFSON
 DATE 2014/03/26
 CHECKED BY
 DATE

APPROVED BY BWODMAN
 DATE 2014/04/04
 MATERIAL NO.

SEE CHART

SIZE A3

SCALE 2:1

DESIGN UNITS INCH

THIRD ANGLE PROJECTION

ASSEMBLY INSTRUCTIONS
 COMMERCIAL MICRO D
 CONNECTOR

MOLEX INCORPORATED

DOCUMENT NO. SD-83421-040 SHEET NO. 2 OF 2

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