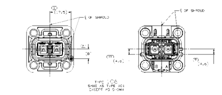
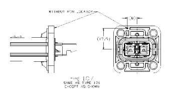
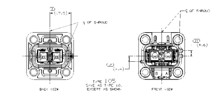


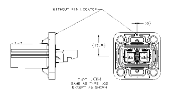
TYPE 106
SAME AS TYPE 101
EXCEPT AS SHOWN



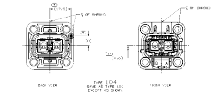
TYPE 107
SAME AS TYPE 101
EXCEPT AS SHOWN



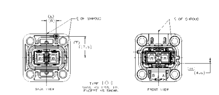
TYPE 105
SAME AS TYPE 101
EXCEPT AS SHOWN



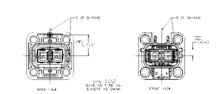
TYPE 108
SAME AS TYPE 102
EXCEPT AS SHOWN



TYPE 104
SAME AS TYPE 101
EXCEPT AS SHOWN



TYPE 103
SAME AS TYPE 101
EXCEPT AS SHOWN



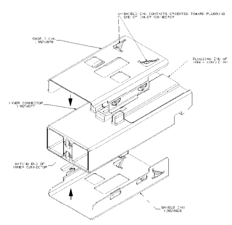
TYPE 102
SAME AS TYPE 101
EXCEPT AS SHOWN

13830176

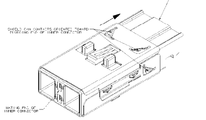
ADDITIONAL ASSEMBLY INFORMATION

REFER TO VPS# B-249 FOR ADDITIONAL SHIELD CAN ASSEMBLY REQUIREMENTS

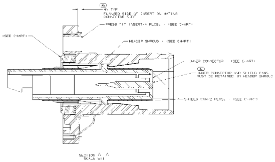
ASSEMBLE SHIELD CANS TO INNER
CONNECTOR IN CORRECT ORIENTATION
AS SHOWN BELOW.


SHIELD CAN CONTACTS ORIENTED TOWARD PLUGGING END OF INNER CONNECTOR
SHIELD CAN 13824828
PLUGGING END OF INNER CONNECTOR
INNER CONNECTOR 13824827
MATING END OF INNER CONNECTOR
SHIELD CAN 13824828

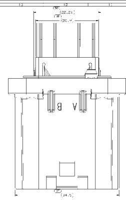
PROPERLY ASSEMBLED SHIELD CANS
TO INNER CONNECTOR

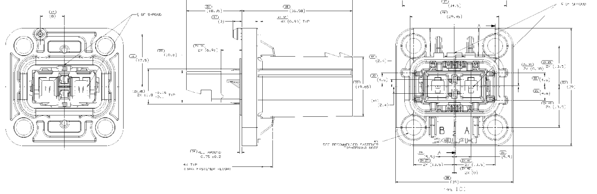

PLUGGING END OF INNER CONNECTOR
SHIELD CAN CONTACTS ORIENTED TOWARD PLUGGING END OF INNER CONNECTOR
MATING END OF INNER CONNECTOR

13830176

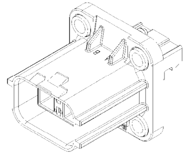

4X TYP
FLANGED SIDE OF INSERT ON MATING CONNECTOR SIDE
PRESS FIT INSERT-4 PLCS. - (SEE CHART)
FACE SEAL - (SEE CHART)
HEADER SHROUD - (SEE CHART)
INNER CONNECTOR - (SEE CHART)
INNER CONNECTOR AND SHIELD CANS MUST BE RETAINED IN HEADER SHROUD
SHIELD CAN-2 PLCS. - (SEE CHART)

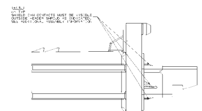
SECTION A - A
SCALE 5:1





TYPE 101





1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
   DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.
2. FOR MATING CONFIGURATION REQUIREMENTS, SEE PART NUMBER 13830174.
3. THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM. MINOR IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR BLEMISHES, GATE VESTIGE, AND SOFT FLASH THAT DO NO AFFECT THE FIT, FORM OR FUNCTION OF THE PART ARE PERMISSIBLE PER DPNP-4.7-CS-01. VPS# B-244 TAKES PRECEDENCE OVER DPNP-4.7-CS-01 WHERE APPLICABLE.
4. RECOMMENDED FASTENER TIGHTENING TORQUE IS 3.5±0.5 NEWTON-METERS.
5. SEAL RETENTION MEETS THE MINIMUM ACCELERATION REQUIREMENT PER GMW3191 JUNE 2012.
6. HIGH VOLTAGE 280 TERMINAL-CONNECTOR EXTRACTION FORCE (PRIMARY LOCK) IS ≥ 80 N.
7. HIGH VOLTAGE 280 TERMINAL-CONNECTOR EXTRACTION FORCE (PRIMARY & SECONDARY LOCK) IS ≥ 110 N.
8. CPA UNLOCKING FORCE TO PRE-STAGED POSITION IS > 10 N AND < 30 N.
9. TPA LOCKING FORCE WITH TERMINALS IS ≤ 60 N.
10. REFER TO VPS# B-249 FOR ADDITIONAL SHIELD CAN ASSEMBLY REQUIREMENTS.
11. CONNECTION MEETS THE PERFORMANCE REQUIREMENTS OF SAE/USCAR-2 R5 NOVEMBER 2007, SAE/USCAR-37 AUGUST 2008, AND GMW-3191 DECEMBER 2007 FOR THE FOLLOWING CLASSIFICATIONS:
    TEMPERATURE CLASS 3 (-40°C TO +125°C)
    VIBRATION CLASS 1 (ON BODY OR CHASSIS)
    SEALING CLASS 3 (SEALED PLUS HIGH PRESSURE SPRAY)
    MATING CLASS 1 (10 CYCLES)
12. CONNECTION MEETS DIELECTRIC WITHSTAND VOLTAGE RATING OF 600 VOLTS USING THE SAE/USCAR-37 AUGUST 2008 PARAGRAPH 5.5.2 TEST METHOD.
13. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.
14. PARTS 13269933 & 13269934 RESTRICTED FOR USE BY FORD ONLY. REFER TO CHART FOR SPECIFIC RESTRICTED PART NUMBERS.
15. ELECTRIC VEHICLE CHARGING AND OTHER HIGH DUTY CYCLE APPLICATIONS CARRYING 32A REQUIRE THE FOLLOWING:
    - MIN 5.0 MM2 COPPER CONDUCTORS.
    - TERMINAL TO CONDUCTOR INTERFACE RESISTANCES ≤ 0.2 mOHMS. SOLDERED CRIMPS ARE RECOMMENDED.
    TERMINAL TEMPERATURES NEED TO BE MEASURED IN THE VEHICLE APPLICATION TO INSURE T-RISE OVER AMBIENT IS <55 DEG C AT MAXIMUM CONTINUOUS CURRENT.

PART NO	REV	N/P	RESTRICTED USAGE	TYPE	HEADER SHROUD	INNER CONNECTOR	SHIELD CAN (2 PLCS)	FACE SEAL	PRESS FIT INSERT-(4 PLCS)
13269933	01	AC	RESTRICTED-SEE NOTE 14	.08	33272750	13824827	13824828	13830178	33211751
13269934	01	AC	RESTRICTED-SEE NOTE 14	.07	33272751	13824827	13824828	13830178	33211751
~~33240644~~	01	AB	-	.05	13830169	13824827	13824828	13830178	33211751
~~33240642~~	01	AB	-	.05	13830168	13824827	13824828	13830178	33211751
~~33240641~~	01	AB	-	.04	13830167	13824827	13824828	13830178	33211751
~~33240640~~	01	AB	-	.03	13830166	13824827	13824828	13830178	33211751
33240609	01	AC	-	.02	13830165	13824827	13824828	13830178	33211751
33240608	01	AC	-	.01	13824829	13824827	13824828	13830178	33211751
~~13830725~~	03	AH	-	.05	13830169	13824827	13824828	13830178	13824967
~~13830724~~	03	AH	-	.05	13830168	13824827	13824828	13830178	13824967
~~13830723~~	03	AH	-	.04	13830167	13824827	13824828	13830178	13824967
13830722	03	AH	-	.03	13830166	13824827	13824828	13830178	13824967
13830721	03	AH	-	.02	13830165	13824827	13824828	13830178	13824967
13824830	03	AH		101	13824829	13824827	13824828	13830178	13824967

MISSING SYMBOLS
19 35

DATE	STS	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	CHKD 1	CHKD 2
02JUN10	R	01	-	-		CREATED PART DRAWING	[illegible]	[illegible]	[illegible]	NL
15OCT10	R	02	-	-		ALL PARTS-UPDATED WITH LATEST COMPONENTS.	[illegible]	[illegible]	[illegible]	NL
15DEC10	R	03	-	-		ADDED SHEET 1 OF 2	[illegible]	[illegible]	[illegible]	NL
08APR11	R	04	-	-		ALL PARTS-UPDATED WITH LATEST COMPONENTS, ADDED DIMS 48-51, ADD ADDITIONAL ASSEMBLY INFORMATION & WAS FASTENER HEIGHT WAS 5.	[illegible]	[illegible]	[illegible]	NL
19SEP11	R	05				ALL PARTS-UPDATED WITH LATEST COMPONENTS, ADDED APPEARANCE ITEM/VPS NOTE, ADDED RECOMMENDED TORQUE FOR FASTENERS NOTE, ADDED DISLODGED DURING SHIPPING NOTE & DIM 27 WAS 134.96.	[illegible]	[illegible]	[illegible]	NL
08NOV11	R	06	-	-		ALL PARTS-ADDED TEXT AND TYPES TO DIM 48, TOLERANCE ON DIM 48 WAS ±0.1 & ADDED EXTRACTION FORCE NOTES.	[illegible]	[illegible]	[illegible]	NL
10NOV11	R	07	-	-		ALL PARTS-DIM 50 WAS 22.21-0.1	[illegible]	[illegible]	[illegible]	NL
04JUN12	R	08	-	-		ALL PARTS-ADDED VPS# B-249 REFERENCE TO ADDITIONAL ASSEMBLY INFORMATION & ADDED SHIELD CAN ASSEMBLY REQUIREMENTS NOTE.	[illegible]	[illegible]	[illegible]	NL
23AUG12	R	09	-	-		ALL PARTS-ADDED CPA UNLOCKING FORCE NOTE AND TPA LOCKING FORCE NOTE.	[illegible]	[illegible]	[illegible]	NL
28AUG13	R	10	-	-		ALL PARTS - ADDED NOTES PERTAINING TO SAE/USCAR SPECIFICATIONS.	[illegible]	[illegible]	[illegible]	NL
31JAN14	R	11	-	-		ALL PARTS - UPDATED SEAL DISLODGED NOTE	[illegible]	[illegible]	[illegible]	TO
30MAR15	R	12				33240608 .01 - RELEASED	[illegible]	[illegible]	[illegible]	[illegible]
20AUG15	R	13	-			33240608 & 09 - UPDATED PART AVAILABILITY	[illegible]	[illegible]	[illegible]	[illegible]
08SEP15	R	14	-	-		13269933 & 13269934 - RELEASED	[illegible]	[illegible]	[illegible]	[illegible]
11JAN16	R	15	-	-		13269933-34 - UPDATED PART AVAILABILITY	[illegible]	[illegible]	[illegible]	[illegible]
07JUL16	R	16				ALL PARTS - ADDED ELECTRIC VEHICLE CHARGING AND HIGH DUTY CYCLE APPLICATION NOTE	[illegible]	[illegible]	[illegible]	TO
22DEC16	R	17				ALL PARTS - CORRECTED ELECTRIC VEHICLE CHARGING AND HIGH DUTY CYCLE APPLICATION NOTE	[illegible]	[illegible]	[illegible]	TO

PART DRAWING

DELPHI
DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE

		DATE
DR		
APVD1	L. JONES	02JUN10
APVD2	L. JONES	23JUN10
APVD3	[illegible]	24JUN10

SUBSTANCES OF CONCERN AND RESTRICTED CONTENT PER DELPHI DDS-0001

MATERIAL
SEE DRAWINGS

DRAWING NAME
[illegible] ASM CONN 4 WAY CTS
USE W/P 280 H/VOLTAGE

DRAWING NUMBER
13830176

SIZE	SCALE	FRAME NO	SHEET NO	STS	REV
A1+5	5:1	1 OF 3	1 OF 2	R	17

THIRD ANGLE PROJECTION
DO NOT SCALE
USE MATH DATA

13830176