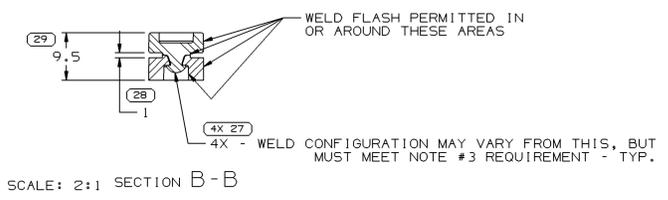
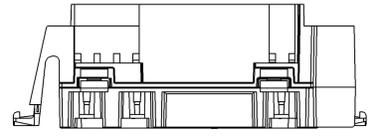
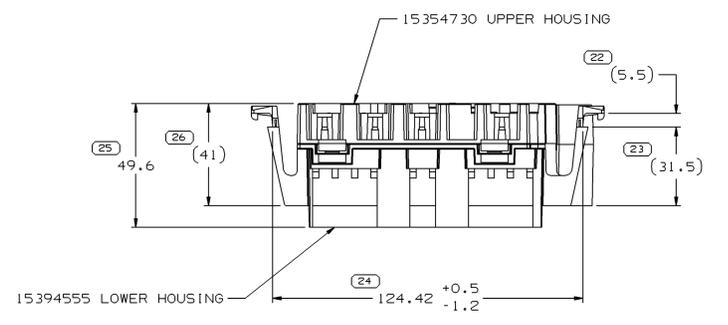
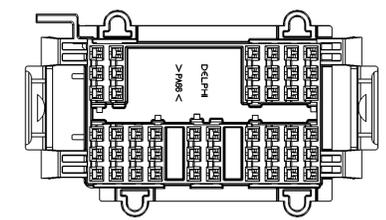
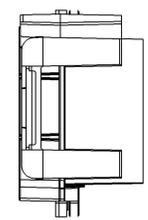
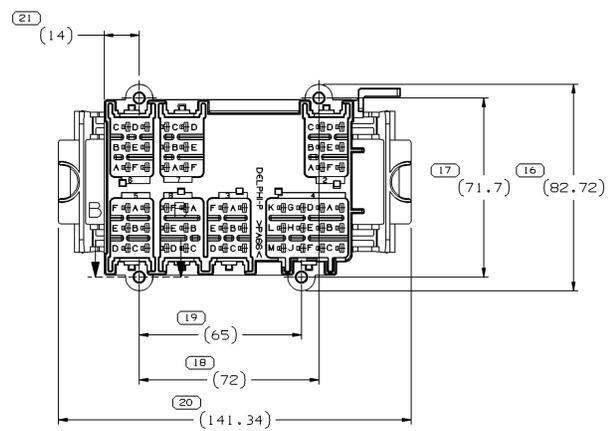
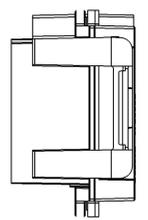


MATING RETAINER PANEL
SCALE: 1:2

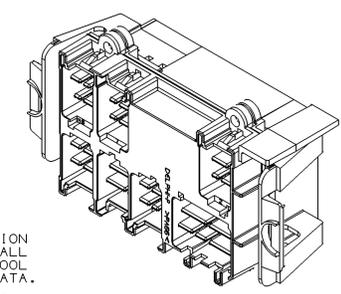


SCALE: 2:1 SECTION B-B



NOTES

- 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.
- MINIMUM PULL APART FORCE FOR UPPER AND LOWER HALVES TO BE 500N.
- UPPER AND LOWER HALVES TO BE JOINED WITH SUFFICIENT FORCE SUCH THAT THERE ARE NO VISIBLE GAPS.
- THIS ASSEMBLY TO ACCEPT THE FOLLOWING FEMALE CONNECTORS: SIX WAY: 12193922, 12193923, 12193924, 12193928, 12193929 & 12193930 TWELVE WAY: 12194037
- THIS ASSEMBLY TO ACCEPT SECONDARY LOCKS 12193931 (2 PLCS) & 15303535 (3 PLCS).
- THIS ASSEMBLY TO ACCEPT TERMINALS: 15439287 IN CAVITIES 8B AND 8C OR EQUIVALENT, 15394553 IN CAVITIES 4A AND 2F OR EQUIVALENT, 12034047 IN ALL OTHER CAVITIES, OR EQUIVALENT.
- MAXIMUM TERMINAL INSULATION CRIMP MUST BE LESS THAN 5.50 HIGH & 5.55 WIDE.
- CAVITIES TO BE LABELED USING NUMERIC/ALPHA CONVENTION.



SYMBOL DEFINITION		TOTAL NO OF INSPECTIONS REQUIRED		MISSING SYMBOLS	
A	DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	32		NO MISSING SYMBOL NUMBER	
		LAST NO. USED	29		

DWO STATUS						REVISION HISTORY			AUTH		
DATE	STG	REV	N/P	CHG	ZONE				DR	APVD	REV
08MR01	R	001	-	-		WAS PE091622, REVISED & RELEASED	207053	EES	CJP	GD	
26JN01	R	001	AA	-		ADDED OPTIONAL CONSTRUCTION NOTE	210870	BRB	BRB	GD	
18JL01	R	001	AB	-		REVISED NOTE #7	211997	CJP	CJP	GD	
04MR02	R	001	AC	-		ADDED WELD FLASH NOTE, REMOVED OPTIONAL CONSTRUCTION NOTES AND REVISED DIMS (5 PLCS)	221756	JAA	JAA	GD	
25AP03	R	01	AD	-		REVISED NOTE #7	240259	TLD	TLD	GD	
18JA05	R	01	AE	-		UPDATED PDM ATTRIBUTES	263240	CJP	CJP	GD	

DELPHI
DELPHI PACKARD ELECTRIC SYSTEMS
WARREN, OH

DR	DATE
APVD1 E. SEIDEL	08MR01
APVD2 C. PAPAS	08MR01
APVD3 G. DETTER	15MR01
APVD4	

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL SEC. DRAWING

DRAWING NAME
ASM CONN 48 M M/P 280 BLK

DRAWING NUMBER
15401495

SIZE A0 SCALE 1:1 FRAME NO 1 OF 1 SHEET NO 1 OF 1 STG REV N/P R 01 AE

DIMENSIONAL RANGE (MM)		CHART ET	
FROM	TO	FROM	TO
> 0	> 20	> 70	> 100
> 20	> 30	> 100	> 150
> 30	> 40	> 150	> 200
> 40	> 50	> 200	> 250
> 50	> 60	> 250	> 300
> 60	> 70	> 300	> 400

UNLESS OTHERWISE SPECIFIED

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE 2003 DIMENSIONING AND TOLERANCING ADDENDUM - 1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUM APPLICABLE TO ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED

ALL DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

UNSPRINGS

Mouser Electronics

Authorized Distributor

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[Delphi Connection Systems:](#)

[15401495](#)