



SECTION A-A

NOTES:

- UNLESS OTHERWISE SPECIFIED:
- 1. GENERAL TOLERANCES:  
X.X - ±0.50  
X.XX - ±0.30  
ANGLES - ±2°
- 2. ALL DIMENSIONS APPLY TO A FULLY ASSEMBLED CONNECTOR
- 3. ALL SEALED APPLICATIONS WITH 33401040 MAT SEAL CAN BE USED WITH FOLLOWING INSULATION RANGES:  
Ø1.70 TO Ø4.09 (20AWG TO 10AWG) ALL CIRCUITS  
Ø1.70 TO Ø3.80 (0.75mm<sup>2</sup> TO 4mm<sup>2</sup>) ALL CIRCUITS  
Ø1.70 TO Ø4.20 (6 CIRCUITS WITH 5mm<sup>2</sup> 2 ON ENDS & 2 AT CENTER AND REMAINING 8 CIRCUITS 0.75mm<sup>2</sup> TO 4mm<sup>2</sup>)
- 4. ALL NON-SEALED APPLICATIONS MAY BE USED WITH ANY WIRE Ø1.40 TO Ø4.20 OD (22AWG TO 10AWG) OR (0.5mm<sup>2</sup> TO 5mm<sup>2</sup>) EXCEPT AS NOTED PROVIDING THAT A TERMINAL GRIP FOR THAT CORE/INSULATION COMBINATION IS SHOWN ON THE MALE TERMINAL DRAWING
- NOTE: MAX. INSULATION CRIMP WIDTH = 4.50  
MAX. INSULATION CRIMP HEIGHT = 4.50  
MAX. INSULATION = Ø4.20 (10AWG OR 5mm<sup>2</sup> ISO THIN WALL)
- 5. THREADED BUSHINGS MUST WITHSTAND A PUSH-OUT FORCE OF 10 N (2.24 lbf) MIN (9)
- 6. THREADED BUSHINGS MUST RESIST A TORQUE OF 3.39 - 3.95 N-m (30 - 35 lb-in) IN BOTH DIRECTIONS (10)
- 7. PART MUST BE FREE OF ANY TOOL MARK, SINK, VOID, SPLAY, BURR, SOIL, CONTAMINATION, MARK OR ANY OTHER DEFECT THAT AFFECTS FIT OR FUNCTION (11)
- 8. ALL COMPONENTS TO BE ASSEMBLED AND SNAPPED FULLY IN PLACE (12)
- 9. CONNECTOR TO WITHSTAND A PULL FORCE OF 110 N (24.71lb) MIN (NORMAL RETAINER RETENTION FORCE) (13)
- 10. MAXIMUM PANEL THICKNESS 11.0 mm
- 11. THE 14 WAY CONNECTOR CAD MODEL USED TO CREATE THIS ASSEMBLY IS FOR REFERENCE ONLY AND IS NOT APPROVED FOR GENERAL USE
- 12. ASSEMBLY SHOWN WITH REPRESENTATIVE PANEL IN PLACE
- 13. ATTACHMENT FASTENERS ARE NOT SHOWN AND ARE NOT INCLUDED
- 14. SIZE AND STYLE OF ATTACHMENT FASTENERS CAN VARY ACCORDING TO THE APPLICATION AND ARE THE RESPONSIBILITY OF THE USER
- 15. SEE MVL CI5005-CUST DRAWING FOR APPLICABLE TERMINAL P/N'S
- 16. THE CONNECTOR SYSTEM IS SEALED AND FLANGE IS UNSEALED

CHART ASSEMBLY P/N'S				
MVL	PCL	DPN	REV	
F255200	B	33517360	02	
F355200	B	33504667	02	
F455200	B	33510481	02	
F555200	B	33510482	02	

APPLICABLE PARTS LIST					
ITEM	PART NAME	COLOR	MVL	DELPHI	QUANTITY REQUIRED
5	RETAINER	BLACK	54201428	15537331	1 1 1 1
4	END SEAL	DARK BLUE	N/A	33401040	1 1 1 1
3d	ASSEMBLY UNSEALED, POLE D	NATURAL	54201468	33511472	- - - 1
3c	ASSEMBLY UNSEALED, POLE C	DK GRAY	TBD	TBD	- - 1 -
3b	ASSEMBLY UNSEALED, POLE B	LT GRAY	54201405	33500121	- 1 - -
3a	ASSEMBLY UNSEALED, POLE A	BLACK	54201404	13581869	1 - - -
2	BUSHING	S. STEEL	C055200	33504665	2 2 2 2
1	BULKHEAD FLANGE	BLACK	S155200	33504679	1 1 1 1

14-06768	B-14	ECO 426892 - P/N 33401040 MAT SEAL REPLACED MVL 54201450 AND WIRE APPLICATION RANGE UPDATED. PART LEVEL BUMPED TO B
13-01354	ALL	ECO 426499 - REVISED & REDRAWN ON DELPHI TITLE BLOCK. DPN'S ADDED WITH REV LEVELS FOR MVL PARTS. MVL WAS FCI P/N CHART UPDATED
ECN-NO.	ZONE	CHANGE DESCRIPTION
PRODUCT SPEC:	PACKAGING SPEC:	APPLICATION SPEC:
APEX 2.8		
TOLERANCES SEE NOTES		
MATERIAL: SEE EXPLODED VIEW		
SURFACE FINISH		
CONTRIBUTOR: H59008		
COLOUR: SEE EXPLODED VIEW		
DO NOT MEASURE DRAWING		
TOOL NO. TBD		
ECO Loc. C446 AN		
DATE	NAME	TITLE
2014/07/29	S. PALANCHANDY	14 WAY BULKHEAD FLANGED UNSEALED ASSEMBLY
2014/07/29	Shirba BIAN	
2014/07/29	Mohi MAJID	
2014/07/29	JIM CAMPBELL	
DRAWING NUMBER: PCC0609536		
REV. C		
STATE: SERIAL RELEASED		
PART NUMBER: See Table		
FILE NAME: PCC0609536		
DOCUMENT UNDER PDS CONTROL. NO MODIFICATION ALLOWED OUTSIDE		

TAXI: 33521975

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