



NO & TYPE	DESCRIPTION	RATIONALE	PTS	ZONE
1 FF	WIDHT INDEX			E16

AUTH	DR	APVD	APV
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08AP24	R	02	-	-	35827870 - RELEASED	563759	JAA	GLG	DML
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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. MVL VENDOR CODE: 52772 OR 52772H

3. ALL SEALED CONDUCTOR APPLICATIONS MUST BE USED WITH THIN WALL
X-LINK WIRE INSULATIONS PER MS-828B, MS-9502, ESB-MIL123-A.
GWM15626 OR ISO 6722 EQUIVALENTS
- A - ASSEMBLIES WITH END SEAL P/N 54200656
MUST BE USED WITH $\varnothing 1.70$ MIN. TO $\varnothing 2.8$ MAX. OD WIRES
 - B - ASSEMBLIES WITH END SEAL P/N 54200658 MUST BE USED FOR
CIRCUITS 2 & 5 WITH $\varnothing 3.07$ TO $\varnothing 4.09$ AND 1, 2,
4 & 6 WITH $\varnothing 1.70$ TO $\varnothing 2.8$ INSULATION OD ONLY

4. ALL NON-SEALED APPLICATIONS MAY BE USED WITH ANY WIRE INSULATION 22AWG TO 10AWG OR ISO EQUIVALENTS (EXCEPT AS NOTED) PROVIDED THAT A TERMINAL GRIP FOR THAT CORE/INSULATION COMBINATION IS SHOWN ON MVL C15005-CUST MALE TERMINAL DRAWING

NOTE: MAX. INSULATION CRIMP WIDTH = 4.5
MAX. INSULATION CRIMP HEIGHT = 4.5
MAX. INSULATION CRIMP DIA. = 4.09 (10 GA THIN WALL)

5. TEST METHOD PER PERFORMANCE SPEC SAE/USCAR-2 REV.3, CONNECTOR ENGAGE & DISENGAGE WITH FEMALE LATCH DEPRESSED FORCE NOT TO EXCEED 90N. FOR THIS SYSTEM

7. WEDGE SEATING FORCE - 125N MAX
8. X-MAS TREE CLIP INSERTION FORCES - 75N MAX
9. SUPPLIER, MOLD & CAVITY I.D. SIGNIFIES TOOL OWNERSHIP, FOR REFERENCE

10. ANNUAL QUALITY REQUIREMENTS:
IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER
MVL SPECIFICATION #AQ-001 INSTEAD OF ANNUAL LAYOUT &
ANNUAL PV REQUIREMENTS OF Q5-9000 SECTION 2 & SAE/USCAR-2 REV.5

11. 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 NOT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER EAP-4-3-CSJ-EN

12. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.

13. CHANGES IN DESIGN COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES ENGINEERING APPROVAL

14. USE WITH FOLLOWING APPLICABLE COMPONENTS AS NEEDED:
CAVITY PLUG MVL 54200005 DPN 15316894
DOUBLE X-MAS TREE CLIP WITH FORWARD STOP MVL 54200010 DPN 13768145

5. ASM CONNECTOR PN 35827870 WAS ANALYZED FOR CREEPAGE & CLEARANCE FOR 48 VOLTS

<p>CONTACT ACTIVITY SALES TO ASSURE AVAILABILITY OF PARTS.</p>	
<p>DWG TYPE PART DRAWING</p>	
<p>STYLE</p>	
VOLUME (CM)	DISTR CODE
	I D
<p>UNLESS OTHERWISE SPECIFIED</p>	
<p>THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.3M-1994 AS AMENDED BY THE ISO GEOMETRIC DIMENSIONING AND TOLERANCING ADDENDUM-2001. SEPARATE PATTERNS OF FEATURES MAY BE OBTAINED SEPARATELY REGARDLESS OF DATUM REFERENCES.</p>	
<p>ALL MEASUREMENTS ARE IN MILLIMETERS</p>	

CONNECTION SYSTEMS	
WARREN, OH	
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DR	DATE
APIV01 G. LOPEZ G.	06SE21
APIV02 S. ALVARADO	07SE21
APIV03 LUIS RAMOS ORTA	07SE21
APIV04	
APIV05	
SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER APIV 10949001	
<p>(MATERIAL SEE CHART</p>	
DRAWING NAME	
TAXI CONN 6 M APEX 2,8	

35027920	01	-	A	-	-	35027872	54200647	15537305	54200656	15537338	-	-	-	-	54200652	15537316	-				
33511391	01	AB	A	54200661	D	54200634	54200647	15537305	-	-	54200658	33517372	-	-	54200652	15537316	-				
13762266	01	AB	D	54200615	B	54200637	15537302	54200647	15537305	54200656	15537338	-	-	-	54200652	15537316	-				
33500107	01	AB	C	54200614	B	54200636	33511983	54200647	15537305	54200656	15537338	-	-	-	54200652	15537316	-				
13589577	01	AB	B	54200613	B	54200635	15537300	54200647	15537305	54200656	15537338	-	-	-	54200652	15537316	-				
15430633	01	AB	A	54200612	C	54200634	15537299	54200647	15537305	54200656	15537338	-	-	-	54200652	15537316	-				
33511392	01	AB	A	54200663	F	54200634	15537299	-	-	-	-	-	54200639	15537611	54200652	15537316	1+6				
33511393	01	AB	D	54200607	C	54200637	15537302	54200647	15537305	-	-	-	-	-	-	-	-				
13644501	01	AB	C	54200606	A	54200636	33511983	54200647	15537305	-	-	-	-	-	-	-	-				
33500105	01	AB	B	54200605	A	54200635	15537300	54200647	15537305	-	-	-	-	-	-	-	-				
33500104	01	AB	A	54200604	A	54200634	15537299	54200647	15537305	-	-	-	-	-	-	-	-				
PART NO	REV	N/P	CODE	PART NO	REV	MVL	APTIV	MVL	APTIV	MVL	APTIV	MVL	APTIV	MVL	APTIV	MVL	APTIV				
APTIV			MVL	HOUSING			TPA			STANDARD			HYBRID SEAL CBL/CONN			PLUG (NO HOLES)			RETAINER		BLOCKED CAVITY

DIMENSIONAL RANGE (MM)		LIMITS ARE ESTABLISHED		TOLERANCE	
FROM	TO	> 0 20	> 20 30	> 30 70	> 70 100
		> 100 150	> 150 200	> 200 250	> 250 300
		> 300 400	CHART E		
TOLERANCE UNLESS OTHERWISE SPECIFIED					
		±0.15	±0.2	±0.3	±0.4
		±0.5	±0.6	±0.8	±1
ANGULAR TOLERANCE 42°					