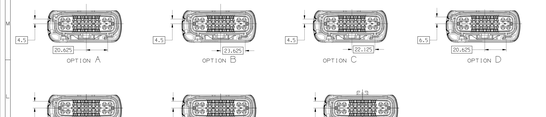
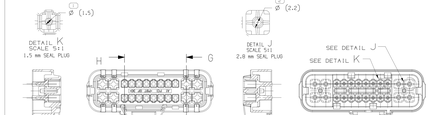
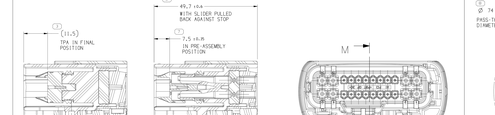
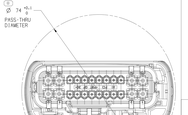


POLARIZATION OPTIONS
BASIC DIMENSIONS SHOWN ARE FOR REFERENCE ONLY



EXEMPLARY VIEWS: RETAINER WITH PLUGGED 1.5MM & 2.8MM CAVITIES





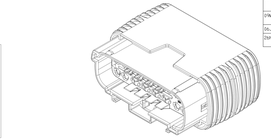
PASS-THROUGH

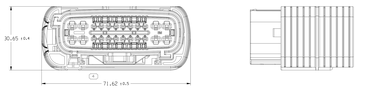
APPLICABLE COMPONENTS					
SUPPL.DIR. PART NO.	SUPPL. DRAW NO.	DESCRIPTION	PLATING/MAT. BASIC	SPEC. NO.	
54C0C025	MXL	13611517	APEX ISO TERMINAL	TIN	15, 18
54C0C004	MXL	13404683	APEX ISO TERMINAL	TIN	15, 20
54C0C007	MXL	13798524	APEX ISO TERMINAL	GOLD	15, 18
54C0C002	MXL	13705913	APEX ISO TERMINAL	GOLD	20, 20
54C0C008	MXL	15422738	APEX ISO TERMINAL	TIN	12
54C0C010	MXL	15750303	APEX ISO TERMINAL	TIN	14, 18
54C0C060	MXL	15757690	APEX ISO TERMINAL	TIN	18
54A0C001	MXL	13755639	APEX ISO 2.8mm SEAL PLUG - FEMALE	PA66 GF30	
54A1G029	MXL	13611364	APEX ISO UNIVERSAL SEAL PLUG	PA66 GF30	
15-00001	MXL	13798145	DOUBLE X-MRS TREE CLIP W/FORMED STOP	PA66	FOR SLOT TYPE 1
15-00273	MXL	15451401	SINGLE X-MRS TREE CLIP	PA66	FOR SLOT TYPE 2
14Z9999	-	15783674	DOUBLE X-MRS TREE CLIP UNIVERSAL	PA66	

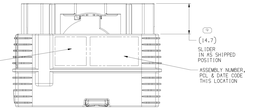
SYMBOL DEFINITION	
X DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO. OF INSPECTIONS REQUIRED: 9 LAST NO. USED: 9

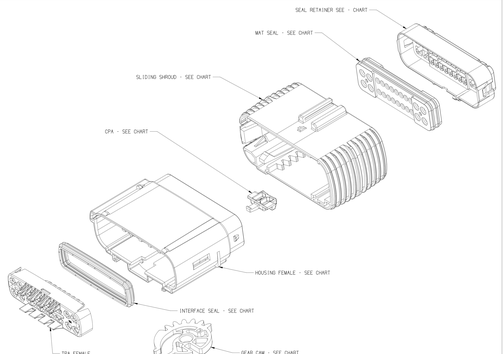
MISSING SYMBOLS	
NO MISSING SYMBOL NUMBER	9

CLIP SLOT OPTIONS ON SLIDING SHROUD SCALE 1:1









EXPLODED VIEW

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
   DIMENSIONS ARE TO FACE OF ICEM SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION STEP. MATHEMATICAL DIMENSIONS FOR TOOL BUILD, ARE THE ICEM SHOWN DIMENSIONS FOR TOOL BUILD, ICEM MATH MODEL FOR PRECISE TOOL/PATH DATA.

2. THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM. MINOR IMPERFECTIONS IN APPEARANCE (SUCH AS SCUFFS, SCRATCHES, COLOR BLEMISHES, GATE VESTIGE, AND SOFT FLASH THAT DO NOT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER EAAP.M-3.CSJ01.EN.

3. MAXIMUM TEMPERATURE CLASS:
   CLASS III (125°C).

4. CONFORMS TO TEST METHOD AS SHOWN IN CHART WITH THE FOLLOWING EXCEPTIONS:
   1

5. CONNECTOR MAY BE USED WITH THE FOLLOWING RANGE OF WIRE SIZES AND/OR TYPES:
   -APEX ISO TERMINALS:
   -SIZE: 22 GAGE: 16 GAGE- 1.50mm MIN O.D. TO 2.41mm MAX O.D.
   -TYPE: TKL (MIL123-A / MS-92881)
   ALTERNATIVELY:
   -SIZE: 0.5mm² TO 1.5mm² / 1.40mm MIN O.D. TO 2.4mm MAX O.D.
   -TYPE: FLRX (125°C PE-XI or FLRYW (125°C PVC)
   (STRUCTURE & PROPERTIES ACC. ISO6722)
   -APEX 2.8 TERMINALS:
   -SIZE: 18 GAGE- 14 GAGE- 1.90mm MIN O.D. TO 3.35mm MAX O.D.
   -TYPE: TKL (MIL123-A / MS-92881)
   ALTERNATIVELY:
   -SIZE: 1mm² TO 3.0mm² / 1.70mm MIN O.D. TO 3.4mm MAX O.D.
   -TYPE: FLRX (125°C PE-XI or FLRYW (125°C PVC)
   (STRUCTURE & PROPERTIES ACC. ISO6722)
   -CONTACT MVL ENGINEERING REGARDING USE OF OTHER WIRE SIZES AND/OR TYPES

6. CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS:
   -MVL APEX150 AND APEX 2.8 WITH WIRE SIZES DEFINED IN NOTE 5. SEE MVL DRAWINGS J5A009 AND C15004 FOR SPECIFIC PART NUMBERS AND CRIMPING REQUIREMENTS.
   -CONTACT MVL ENGINEERING REGARDING USE OF COMPATIBLE NON MVL TERMINALS.

7. ANNUAL QUALITY REQUIREMENTS:
   IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER ISO16750-2 AND ISO16750-4 INSTEAD OF ANNUAL LAYOUT AND ANNUAL PV REQUIREMENTS OF GS-9000 SECTION 2 AND SAE/USCAR-2 REV 4. FOR TERMINAL TO CONNECTOR AND TPA TO CONNECTOR ONLY.

8. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.

9. FEMALE CONNECTORS EQUIPPED WITH OPTIONAL CLIPSLOT CAN ONLY BE MATED TO MALE CONNECTORS WITHOUT CLIPSLOT FEATURES. ONLY OPTION E, IS TO BE USED FOR FEMALE CONNECTORS WITHOUT CLIPSLOT FEATURES TO MATE MALE COUNTERPARTS. CONTACT MVL ENGINEERING FOR SPECIFIC PACKAGING REQUIREMENTS WHEN USING THESE CONFIGURATIONS.

10. QUALITY ASSURANCE REQUIREMENTS SPC DATA REQUIRED

11. (1)(10.3) MINIMUM APTIV CORPORATE BRAND TO BE LOCATED ON ANY EXTERIOR FACE, PREFERRED VISIBLE AT FINAL ASSEMBLY. OPTIONAL CONSTRUCTION FOR EXISTING TOOLING MAY BE "PSD", "FCI" OR NO LOGO.

| | | | | |

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