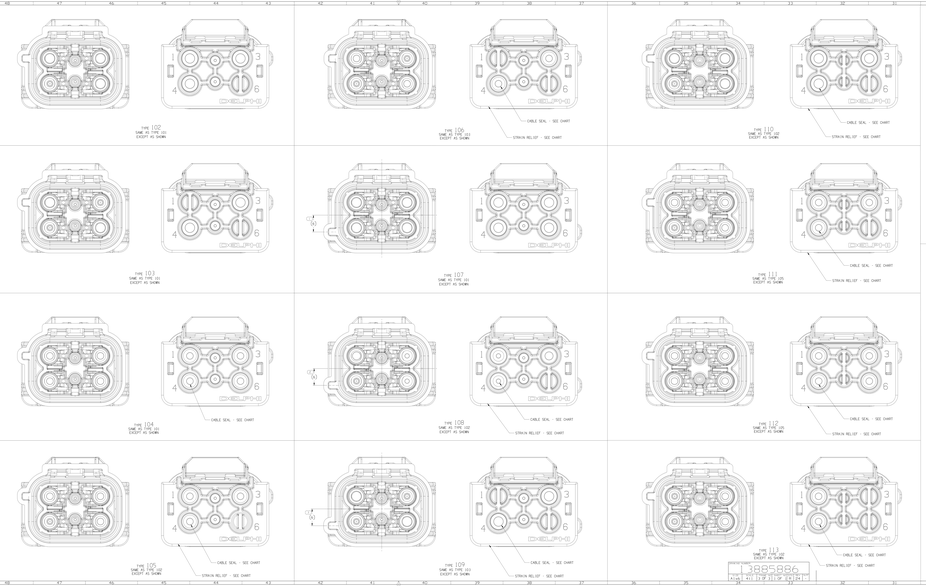
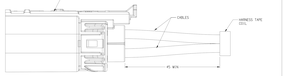
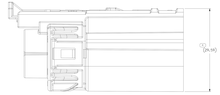




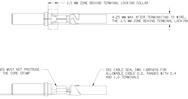
ADDITIONAL HARNESS INFORMATION
AUXILIARY BIGHT VIEW
SCALE 3:1

NOTES

1. THIS INFORMATION APPLIES TO EVERY CONNECTOR TYPE AND TERMINATED CABLE SPECIFIC.

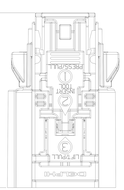


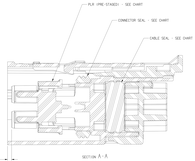
2.4 & 1.0 TERMINAL & WIRE APPLICATION REQUIREMENTS

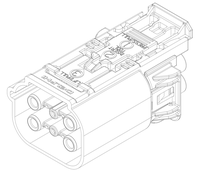


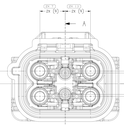
APTIV MCS 2.4 TERMINAL - (PRESSED OR EQUIVALENT WITH GOLD PLATED INTERFACE FOR POWER CIRCUITS.
APTIV MCS 1.0 TERMINAL - (STAMPED OR EQUIVALENT WITH GOLD PLATED INTERFACE FOR SIGNAL CIRCUITS.

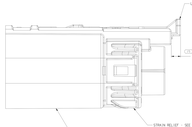
1. 10A CONTINUOUS CURRENT APPLICATIONS REQUIRE 5.0 - 6.0 mm² COPPER CONDUCTORS ON THE 2.4 TERMINALS.
2. GOLD PLATED TERMINAL INTERFACES ARE REQUIRED TO MEET ENTIRE 2 CONNECTOR ELECTRICAL CRITERIA.
3. TERMINAL TEMPERATURES NEED TO BE MEASURED IN THE APPLICATION TO MEET THE FOLLOWING:
   TERMINAL TEMPERATURE RISE DOES NOT EXCEED 30 DEGRS C AT MAXIMUM CONTINUOUS CURRENT.
   TERMINAL TEMPERATURE RISE DOES NOT EXCEED 100 DEGRS C AT MAXIMUM CONTINUOUS CURRENT AND MAXIMUM AMBIENT.
4. ELECTRICAL TEST CHARGING APPLICATIONS REQUIRE WIRE TO TERMINAL INTERFACE RESISTANCE @0.2 mOhms.
   SOLDERED CRIMPS ARE RECOMMENDED.

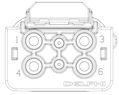


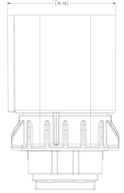












NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
   DIMENSIONS ARE TO FACE OF LIGHT SHADE AND
   DIMENSIONS ARE TO CENTER OF DARK CHAMFER.
   DIMENSIONS ARE FOR REFERENCE ONLY AND
   OTHER DIMENSIONS NOT SHOWN MUST REFLECT THE TOTAL
   PART DIMENSIONS AS DEFINED IN THE PART DRAWING.
2. THIS PRODUCT IS NOT CATEGORIZED AS AN ORTHOPAEDIC STRA, WOVEN
   ORTHOPAEDIC INCLUDING, BUT NOT LIMITED TO, FLOW BANDS, COLOR
   CODED BANDS, ORTHOPAEDIC TAPE, ORTHOPAEDIC WRAP, ORTHOPAEDIC
   FIT, FINAL OF FUNCTION OF THE PART ARE PERMISSIBLE PER EXAMPLES 1,2,5,12,24.
3. CONNECTOR ASSEMBLIES ARE UNLOCKED TO SHOULDER-OF-RELIEF - MUST
   BE LOCKED TO FULL SEALING CLEARANCE - SEE CLEARANCE WITH
   MATING CABLE MCS.
4. CONNECTOR ASSEMBLY TYPES 100, 101, 101 -10a, AND 109 - 111 MEET
   IP67 WHEN MATED TO - SEPTTO-RESEAL2 FINAL CLASS 2 CONTACTS
   OF TYC WHEN:
5. CONNECTOR DESIGNS PROVIDE THE FOLLOWING MINIMUM CREEPAGE
   DISTANCE BETWEEN ADJACENT CONTACTS - 2.5 CLEARANCE WITH
   POLLUTION DEGREE 1 - 2 :
   CAVITIES 1 TO 2 OR 5 TO 6 : 12 mm
   CAVITIES 2 TO 3 OR 4 TO 5 : 12 mm
   CAVITIES 3 TO 4 OR 1 TO 6 : 12 mm
   CAVITIES 1 TO 3 OR 4 TO 6 : 12 mm
   CAVITIES 1 TO 4 OR 3 TO 6 : 12 mm
6. HARNESS MANUFACTURER IS RESPONSIBLE FOR VALIDATING THE CONNECTION
   OF THE CABLE SEAL TO THE CABLE AND THE CONNECTOR SEAL TO THE
   MATCHING CABLE SEAL. THIS INCLUDES, BUT NOT LIMITED TO, ENSURING
   THE CABLE SEAL IS PROPERLY SEATED ON THE CABLE, THE CABLE SEAL IS
   THE SAME TYPE AND DIAMETER OF CABLE IN THE 2.5mm CAVITIES (1, 3, 4,
   6).
7. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.
8. SEALING VERIFICATION AND WARPING REQUIRED PER ECA-TPL.

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