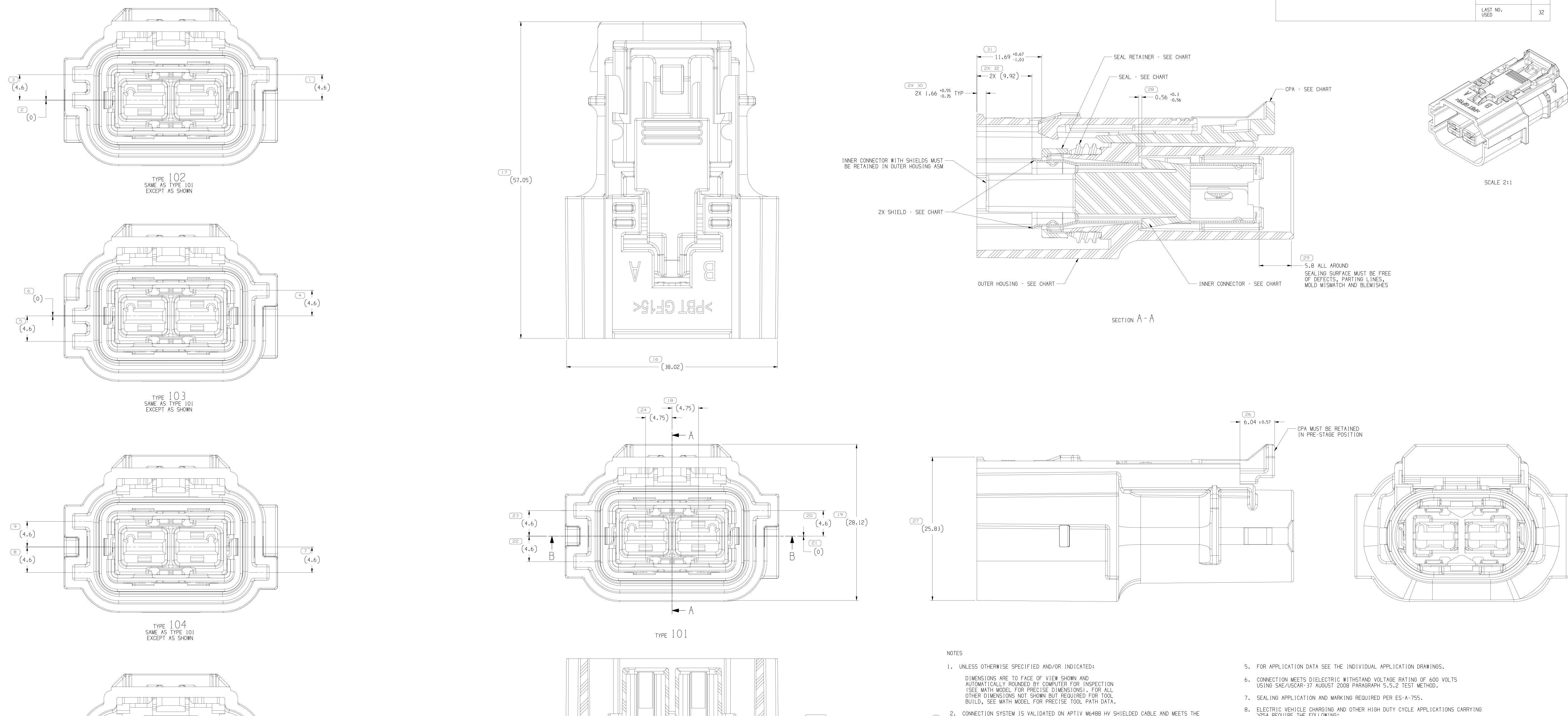
AUTH DR APVD APVD

ALL PARTS - ADDED "DIELECTRIC WITHSTAND METHOD", "ELECTRIC VEHICLE CHARGING"
"SEALING APPLICATION", "ADDITIONAL ASSEMBLY INFO" NOTES & SHT 1 OF 2 AND MOVED TERMINAL CONFIG SET DATA TO SHT 2

ALL PARTS - "APTIV M6488 CABLE" IN NOTE | 553290 DAG JAA MNC | #2 WAS "DELPHI M6488 CABLE" AND ADDED "ASSEMBLY MANUAL" NOTE



2X 0.18 +0.46 -0.18

SIZE | SCALE | FRAME NO | SHEET NO | STG | REV | N/P A1×3 5:1 2 OF 1 1 OF 2 R 07

SECTION B-B

EXCEPT AS SHOWN

3. CONNECTOR DESIGNS PROVIDE THE FOLLOWING MINIMUM CREEPAGE DISTANCES WHEN MATED, AS ASSESSED PER IEC60664 WITH POLLUTION DEGREE = 2 OR 3:

-CAVITIES A TO SHIELD OR B TO SHIELD = 6.755 mm -CAVITIES A TO B (WITHOUT MATING PART) = 13.51 mm

AND GMW-3191 JUNE 2012 FOR THE FOLLOWING CLASSIFICATIONS:

SEALING CLASS 3 (SEALED PLUS HIGH PRESSURE SPRAY)

PART NO | REV | N/P | TYPE | OUTER HOUSING | SEAL RETAINER | SEAL | INNER CONNECTOR | SHIELD (2 PLCS) | CPA

TEMPERATURE CLASS 3 (-40°C TO 125°C)

VIBRATION CLASS ON BODY OR CHASSIS

MATING CLASS 2 (50 CYCLES)

4. HARNESS MANUFACTURER IS RESPONSIBLE FOR VALIDATING THE CONNECTION AS APPLIED ON CABLE TO THE REQUIREMENTS OF SPECIFIC APPLICATIONS.

33339161 35102769 35028838 35028842 01 AF 104 33353305 33339161 35102769 35028838 35149967 32 5028840 01 AF 102 33353303 33339161 35102769 35028838 35149967 32 5028839 01 AF 101 33339160 33339161 35102769 35028838 35149967 33

PERFORMANCE REQUIREMENTS OF SAE/USCAR-2 R6_2013, SAE/USCAR-37 AUGUST 2008

8. ELECTRIC VEHICLE CHARGING AND OTHER HIGH DUTY CYCLE APPLICATIONS CARRYING >25A REQUIRE THE FOLLOWING: -MIN 5.0 MM2 COPPER CONDUCTORS. -TERMINAL TO CONDUCTOR INTERFACE RESISTANCE ≤ 0.2 mOhms. SOLDERED CRIMPS ARE RECOMMENDED. -TERMINAL TEMPERATURES NEED TO BE MEASURED IN THE VEHICLE APPLICATION TO INSURE T-RISE OVER AMBIENT IS <35 C° AT MAXIMUM CONTINUOUS CURRENT.

SYMBOL DEFINITION

A 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. FOR ADDITIONAL CABLE AND COMPONENTS INFORMATION SEE SHT 2.
- 10. PARTS MUST BE FREE OF DUST, DIRT, CARBOARD FIBER, LOOSE METAL SLIVERS OR ANY PARTICULATE THAT MAY CAUSE FIT OR FUNCTION CONCERNS.
- 11. SEALING CODE 4 DESIGN WILL MEET REQUIREMENTS OF SAE/USCAR-2 CONNECTOR SYSTEM ENVIRONMENTAL TEST FLOWCHART (PRESSURE/VACUUM AND SUBMERSION).
- 12. FOR ASSEMBLY MANUAL REFER TO P/N 35328287.

UNLESS OTHERWISE SPECIFIED THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994
AS AMENDED BY THE GM GLOBAL DIMENSIONING AND
TOLERANCING ADDENDUM-2001. SEPARATE PATTERNS OF
FEATURES MAY BE GAGED SEPARATELY REGARDLESS OF DATUM LL DIMENSIONS ARE IN MILLIMETERS 30 PROCESS SENSITIVE DIMENSION REFERENT TAXI ASM CONN 2 F CTS 630 SLD MODULAR DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED $\frac{35028844}{\text{size} \quad \text{scale} \quad \text{frame no} \quad \text{sheet no} \quad \text{stg} \quad \text{rev} \quad \text{n/f}}{\text{size} \quad \text{scale} \quad \text{frame no} \quad \text{sheet no} \quad \text{stg} \quad \text{rev} \quad \text{n/f}}$ A1×3 5:1 1 OF 1 1 OF 2 R 07 -

SEE CHART

A LINE DRAWN THROUGH A PART NUMBER INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING.

CONTACT APTIV SALES TO ASSURE AVAILABILITY

PART NUMBERS THAT DO NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING.

PART DRAWING

DWG STATUS

DATE | STG | REV | N/P | CHG | ZONE

Mouser Electronics

Authorized Distributor

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Aptiv: 35028839