



NOTES:

1. HE LEAK TEST VACUUM 10×10^{-9} CC/SEC OR LESS.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSINGS.
3. CONTINUITY TEST < .5 Ohms MATING CONNECTOR TO MATING CONNECTOR.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
7. VOIDS SMALLER THAN $\phi 0.035$ ARE ACCEPTABLE.
8. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON EACH SIDE OF HOUSINGS.
9. REF-OPERATING TEMPERATURE -40°C TO 110°C .
10. CUT UNUSED WIRES AND SHIELDS FLUSH WITH CABLE JACKET.
11. ROUGH SURFACE OF SHRINK TUBING PRIOR TO POTTING AND BURY .5 MIN OF CABLE JACKET AND TUBING IN EPOXY FOR HERMETIC SEAL. ROUGH SURFACE OF SHRINK TUBING PRIOR TO POTTING AND BURY .5 MIN IN EPOXY FOR NON-HERMETIC SEAL.
12. SHOWN AS TESTED BY PAVE.
13. ITEMS 22 AND 23 (NOT SHOWN) ARE INCLUDED WITH ASSEMBLY.
14. LABEL AS SHOWN USING TYTON RITE-ON LABELS.

| 23 | 1 | -236 VITON LT | O-RING -236 VITON LOW TEMP |
|------|-----|-----------------|--------------------------------|
| 22 | 1 | RR 5100-250-HST | RETAINING RING EXTERNAL 2.50SS |
| 21 | A/R | PAVE-Seal 150 | EPOXY BLACK |
| 20 | 4 | FIT-650-1/2" | TUBING SHRINK 1/2" VITON ALPHA |
| 19 | 1 | SW-30 | TUBING SPIRAL WRAP TEFLON 1/8" |
| 18 | 1 | DELPHI#12047901 | TPA-B 24 TERMINAL POSITION ASS |
| 17 | 1 | DELPHI#12047900 | TPA-A 24 TERMINAL POSITION ASS |
| 16 | 24 | DELPHI#12160319 | CONTACT SOCKET 24-28 AWG GOLD |
| 15 | 1 | DELPHI#12110206 | CONNECTOR 24F LT BLUE |
| 14 | 1 | DELPHI#12064823 | TBA-B 12 TERMINAL POSITION ASS |
| 13 | 1 | DELPHI#12064822 | TBA-A 12 TERMINAL POSITION ASS |
| 12 | 9 | DELPHI#12160215 | CONTACT SOCKET 18-20 AWG GOLD |
| 11 | 1 | DELPHI#12064799 | CONNECTOR 12F BLACK |
| 10 | 1 | MOLEX#39012080 | CONNECTOR 8F |
| 9 | 8 | MOLEX#39000186 | TERMINAL CRIMP 16 AWG FEMALE |
| 8 | 1 | HIROSE#DF1126DS | CONNECTOR 26F |
| 7 | 24 | HIROSE#DF112428 | CONTACT 24 AWG FEMALE Au |
| 6 | 8 | EE16 WHITE | WIRE 16EE MIL-W-16878/5 .015 1 |
| 5 | 24 | E24 WHT | WIRE 24E MIL-W-22459/11 .010 1 |
| 4 | 1 | ALPHA#5376C | CABLE 6X18AWG SHIELDED PAIRS |
| 3 | 1 | ALPHA#6388 | CABLE 12X24AWG SHIELDED TWISTE |
| 2 | 1 | 3320 | HOUSING FL20-SS |
| 1 | 1 | 3319 | HOUSING FL40-AL |
| ITEM | QTY | PART NUMBER | DESCRIPTION |

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.
 ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE ± 0.5
 X.X DECIMAL ± 0.1 X.XX DECIMAL ± 0.02 X.XXX DECIMAL ± 0.005
 ANGLES ± 1 DEGREE SURFACE FINISH 128 microinch RMS

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DESCRIPTION
 FL20-SS-150-24/9-E24/EE16-55-7

PART NUMBER
3291

MATERIAL NOTED

REVISION LEVEL
 A

PROJECTION