



- NOTES:
- LEAK TEST: 2200 PSI, NO N2 BUBBLES 5 MINUTES MINIMUM, TWICE: FIRST, TEST WITH O-RING IN THE MIDDLE GROOVE. SECOND TEST WITH O-RING IN OTHER GROOVE (AS SHOWN).
 - HYPOT 1000 VDC 500 MEGOHMS MINIMUM (INSULATION RESISTANCE) 10 SECONDS MINIMUM WIRE TO WIRE.
 - ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE AFTER THERMAL CYCLING.
 - ALL PARTS MUST PASS ALL TESTS.
 - WIRE COLOR POSITIONS NEED ONLY TO BE GROUPABLE AS FOLLOWS WITHOUT ANY CROSS OVER (THIS SIDE ONLY):
ITEMS 5, 7, 10, 12, 14, 15, 16, 17, 21 GROUPABLE TOGETHER.
ITEMS 6, 8, 9, 11, 13, 18, 19, 20, 22 GROUPABLE TOGETHER.
 - REF-OPERATING TEMPERATURE RANGE -60 °C TO 176 °C.
 - THERMAL CYCLE -60 °C TO 176 °C, 3 CYCLES @ 1 HOUR HOLD.
 - REF-USES SOLDER WITH MELTING TEMPERATURE >300 °C FOR THIRD PARTY FIRE RESISTANCE TEST PER FAA AC 20-135 AND AC 33.17-1 (NO FUEL LEAKAGE AFTER 5 MINUTES @ 2000 °F FLAME TEMPERATURE).
 - DIMENSIONS ARE INCHES [millimeters].
 - PAVE-SEAL CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.
 - THESE PARTS ARE CLEANED IN A DEGREASER SOLVENT VAPOR THEN PACKAGED IN A LAMINAR FLOW HOOD PROVIDING AN ISO CLASS 5 (CLASS 100) ENVIRONMENT IN THE WORK AREA.
 - MICROSCOPE INSPECTION FOR "FOD" AFTER CLEANING.
 - REF- PARTS ARE DEFLASHED ON PARTING LINE +.005[.13] MAXIMUM

22	1	E24 YEL/WHT	WIRE 24E MIL-W-16878/4-49 7/#32
21	1	E24 RED/WHITE	WIRE 24E MIL-W-16878/4-29 7/#32
20	1	E24 VIO/WHITE	WIRE 24E MIL-W-16878/4-79 7/#32
19	1	E24 ORG/WHITE	WIRE 24E MIL-W-16878/4-39 7/#32
18	1	E24 BLUE/WHITE	WIRE 24E MIL-W-16878/4-69 7/#32
17	1	E24 BRN/WHITE	WIRE 24E MIL-W-16878/4-19 7/#32
16	1	E24 BLK/WHITE	WIRE 24E MIL-W-16878/4-09 7/#32
15	1	E24 GRN/WHITE	WIRE 24E MIL-W-16878/4-59 7/#32
14	1	E24 YELLOW	WIRE 24E MIL-W-16878/4-4 7/#32
13	1	E24 WHITE	WIRE 24E MIL-W-16878/4-9 7/#32
12	1	E24 RED	WIRE 24E MIL-W-16878/4-2 7/#32
11	1	E24 VIOLET	WIRE 24E MIL-W-16878/4-7 7/#32
10	1	E24 ORANGE	WIRE 24E MIL-W-16878/4-3 7/#32
9	1	E24 GREEN	WIRE 24E MIL-W-16878/4-5 7/#32
8	1	E24 GRAY	WIRE 24E MIL-W-16878/4-8 7/#32
7	1	E24 BROWN	WIRE 24E MIL-W-16878/4-1 7/#32
6	1	E24 BLUE	WIRE 24E MIL-W-16878/4-6 7/#32
5	1	E24 BLACK	WIRE 24E MIL-W-16878/4-0 7/#32
4	A/R	PARKER O-LUBE	LUBRICANT O-RING BARIUM-BASED
3	1	M83485/1-015	O-RING -015 FLUOROCARBON GLT 75
2	A/R	PAVE-Seal 200	EPOXY BLACK
1	1	1374M	HOUSING SP11M-E
ITEM	QTY	PART NUMBER	DESCRIPTION

RECOMMENDED RETAINING RING
TRUARC N5000-75 OR EQUAL
REPLACE O-RINGS IF REMOVED
FROM INSTALLATION PORT

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
SP11M-E-200-18-TE24-6-24

PART NUMBER
2859

MATERIAL NOTED

REVISION LEVEL
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PROJECTION
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