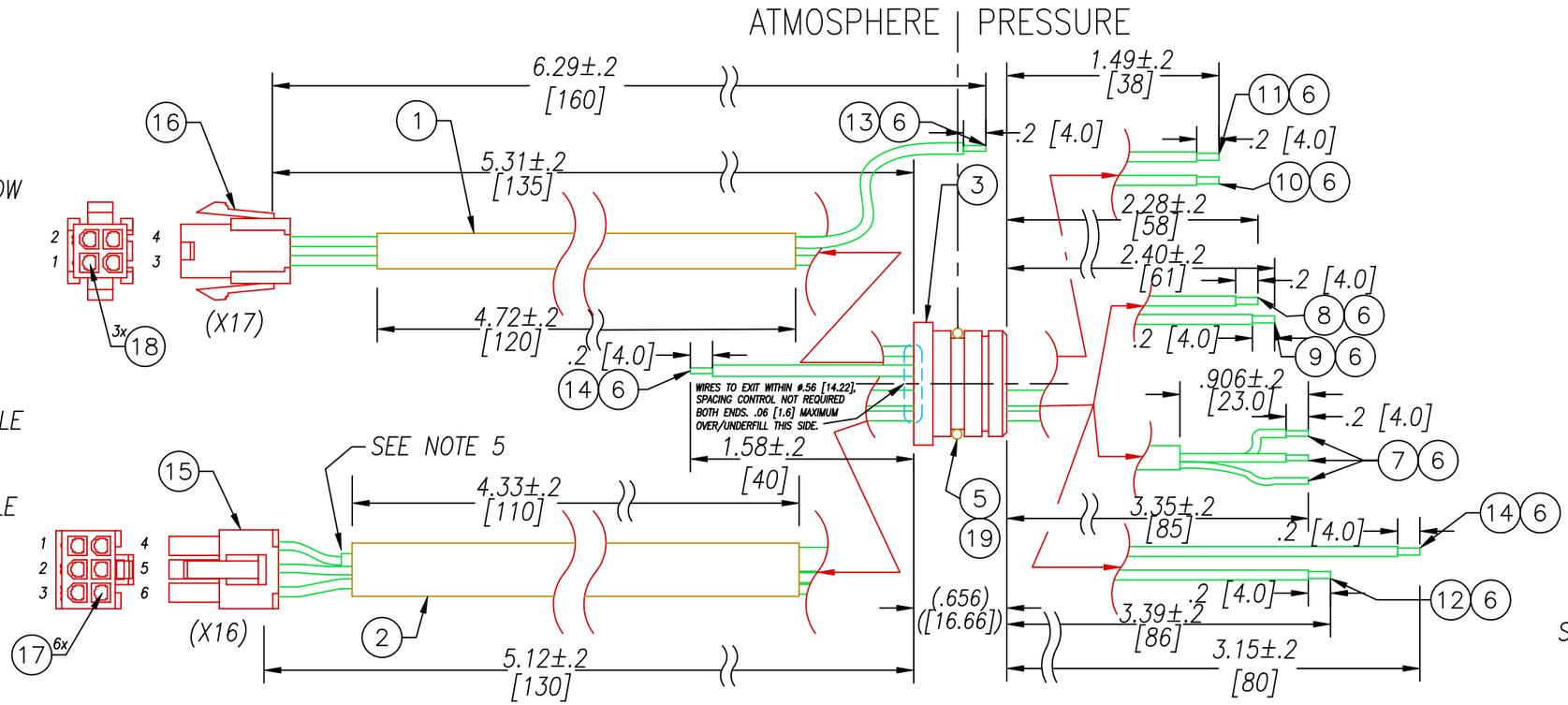
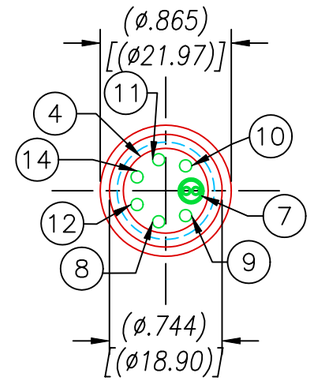
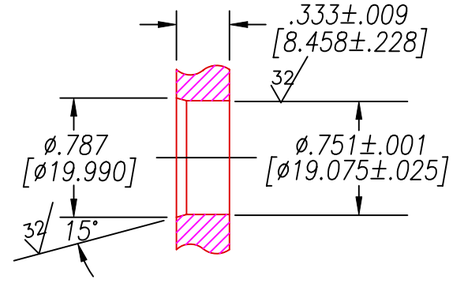
X17 CONNECTOR PINOUT
1–#18 AWG GREEN/YELLOW
2–#18 AWG WHITE
3–#18 AWG RED
4–NOT USED

X16 CONNECTOR PINOUT
1–#20 AWG BLACK, CABLE
2–CABLE SHIELD
3–#18 AWG ORANGE
4–#20 AWG WHITE, CABLE
5–#18 AWG BLUE
6–#18 AWG GREEN





SPF12 INSTALLATION PORT



RECOMMENDED RETAINING RING
TRUARC #5100–75 OR EQUAL

NOTES:
1. LEAK TEST: 80 PSI, NO BUBBLES 30 SECONDS MINIMUM.
2. HYPOT 630 VDC 500 MΩ 0.01 SEC MINIMUM, WIRE TO WIRE WITH MATING PLUGS.
3. MEGGER TEST 4.5k VDC, 100 MEGOHMS MIN, ALL WIRES SHORTED ON X16 TO ALL WIRES SHORTED ON X17.
4. CONTINUITY CHECK, CONNECTORS TO ENDS OF WIRES, <0.5 Ω.
5. INSPECT FOR NICKED WIRE INSULATION FROM JACKET STRIP, BOTH ENDS.
6. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
7. ALL PARTS MUST PASS ALL TESTS.
8. WIRES ARE NOT REQUIRED TO BEND SHARPLY AT EPOXY SEAL SURFACE.
9. REF–OPERATING TEMPERATURE –20°C TO 105°C.
10. NO COSMETIC SURFACE VOIDS ARE ACCEPTABLE ON O–RING SEALING SURFACES, COSMETIC SURFACE VOIDS SMALLER THAN ø0.035 [.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
11. DIMENSIONS ARE INCHES [millimeters].

ITEM	QTY	PART#	DESCRIPTION
19	A/R	PARKER O–LUBE	LUBRICANT O–RING BARIUM
18	3	MOLEX39–00–0061	TERMINAL 18–24AWG PIN
17	6	MOLEX39–00–0059	TERMINAL 18–24AWG SOC
16	1	MOL#39–01–2041	PLUG 4 CKT 94V–2
15	1	MOL#39–01–2060	RECEPTACLE 6 CKT 94V–2
14	1	EE18 UL1180 BLK	WIRE 18EE UL1180 .014 7/#26
13	1	EE18 UL1180GN/Y	WIRE 18EE UL1180 .014 7/#26
12	1	EE18 UL1180 ORG	WIRE 18EE UL1180 .014 7/#26
11	1	EE18 UL1180 RED	WIRE 18EE UL1180 .014 7/#26
10	1	EE18 UL1180 WHT	WIRE 18EE UL1180 .014 7/#26
9	1	EE18 UL1180 GRN	WIRE 18EE UL1180 .014 7/#26
8	1	EE18 UL1180 BLU	WIRE 18EE UL1180 .014 7/#26
7	1	TEF 2/C #20 STW	CABLE ASTRO #CME4–02–STW–2019–011
6	A/R	SAC305	SOLDER SAC305 FAST CORE
5	1	–016 VITON	O–RING –016 VITON 75
4	A/R	PAVE–Seal 150	EPOXY BLACK
3	1	0130	HOUSING SPF12–E
2	1	MIL–I–631D 3/8"	TUBING 3/8" HIGHTEMP VINYL 400/461
1	1	MIL–I–631D 1/4"	TUBING 1/4" HIGHTEMP VINYL 400/461

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

FINISH

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DESCRIPTION PAVE–Seal® Cable Harnesses
SPF12–E–150–7/1–TEE18/2C20–13cm–*

PART NUMBER 2314

REVISON LEVEL E

PROJECTION