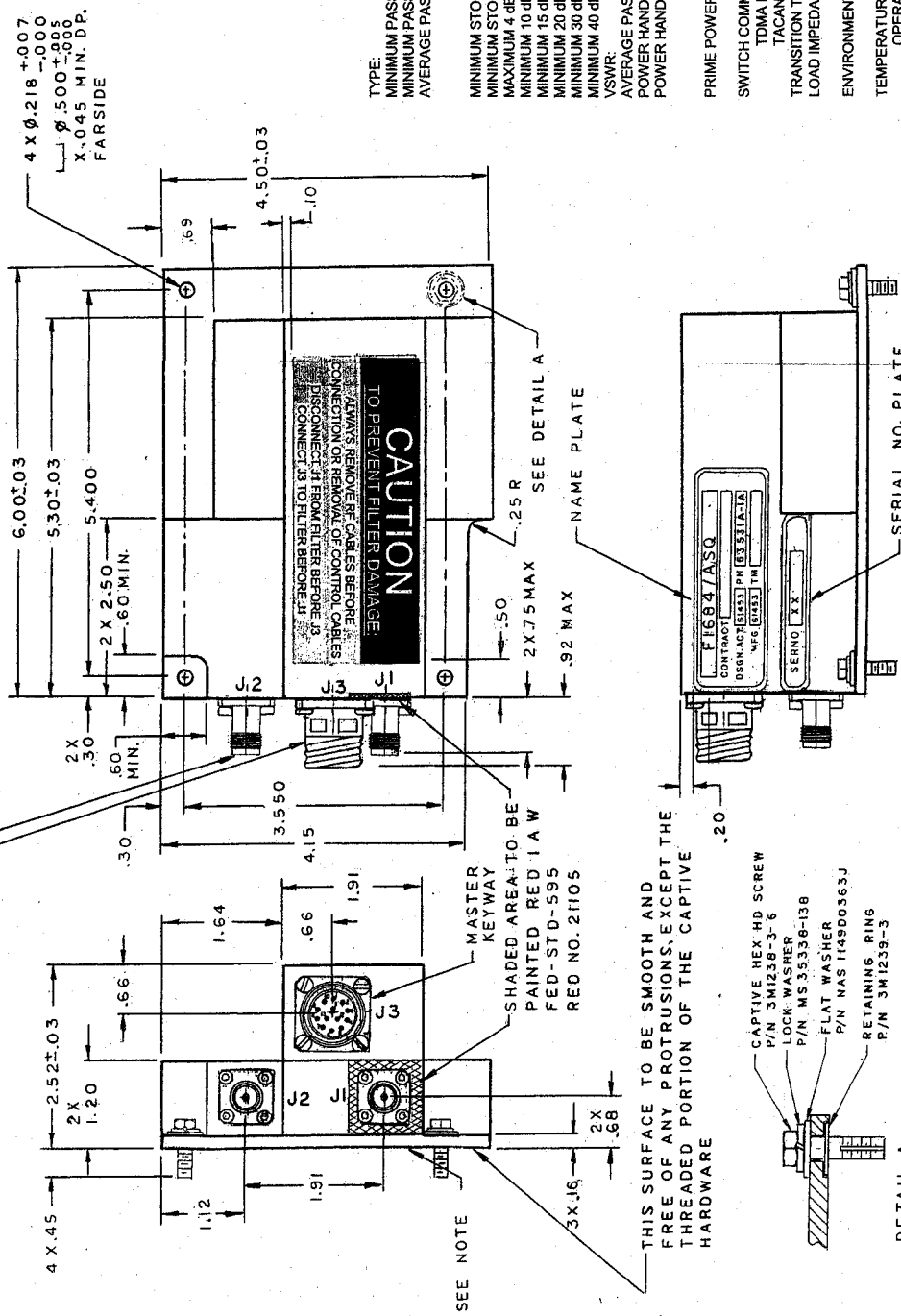


ZONE	LTR	ECH NO.	DESCRIPTION	DATE	APPROVED

1 A W MIL-C-38999
SERIES III
13 PIN CONNECTOR
SHELL SIZE II

2 X TNC FEMALE CONNECTOR
PER MIL-C-39012



63531A-1A

SWITCHED NOTCH FILTER ASSEMBLY
960-1000, 1061-1215 MHz
960 - 1215 MHz

TYPE: SWITCHED NOTCH FILTER ASSEMBLY
MINIMUM PASSBAND (TDMA): 2.5 dB
MINIMUM PASSBAND (TACAN): 1.5 dB
AVERAGE PASSBAND INSERTION LOSS: 50 dB
TDMA: 1023 - 1037 MHz
TACAN: 1008 - 1053 MHz
MINIMUM STOPBAND REJECTION: 1016 - 1041.5 MHz
MINIMUM 4 dB STOPBAND: 1019 - 1039 MHz
MINIMUM 10 dB STOPBAND: 1021 - 1039 MHz
MINIMUM 15 dB STOPBAND: 1022 - 1037 MHz
MINIMUM 20 dB STOPBAND: 1022.5 - 1037 MHz
MINIMUM 30 dB STOPBAND: 1022.5 - 1037 MHz
MINIMUM 40 dB STOPBAND: 1022.5 - 1037 MHz
VSWR: 2.2:1 MAX, 2.0:1 OVER AT LEAST 80% BAND
AVERAGE PASSBAND GROUP DELAY: 15 NANOSEC MAX
POWER HANDLING (TDMA): 200 W PEAK, 75% TIME SLOT DUTY FACTOR
POWER HANDLING (TACAN): 500 W PEAK, 1% TIME SLOT DUTY FACTOR

PRIME POWER REQUIREMENT: 28 VDC +1.5/-2.0 VDC
100 MA MAX.

SWITCH COMMAND: 12±2 V
TACAN MODE SELECT: <8 V
TACAN MODE SELECT: 2.0 MICROSEC MAX
LOAD IMPEDANCE: 93 OHMS ± 10%

ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE: -40° TO +86° C
OPERATING: -62° TO +86° C
STORAGE: 70,000 FT
PER MDC A3376
PER PS 74-870269, SECT 3.3
PER MIL-STD-883C, SECT 2000.1
PER MIL-STD-883C, SECT 2000.2
PER MIL-STD-883C, SECT 2000.3
PER MIL-STD-883C, SECT 2000.4
PER MIL-STD-883C, SECT 2000.5
PER MIL-STD-883C, SECT 2000.6
PER MIL-STD-883C, SECT 2000.7
PER MIL-STD-883C, SECT 2000.8
PER MIL-STD-883C, SECT 2000.9
PER MIL-STD-883C, SECT 2000.10
PER MIL-STD-883C, SECT 2000.11
PER MIL-STD-883C, SECT 2000.12
PER MIL-STD-883C, SECT 2000.13
PER MIL-STD-883C, SECT 2000.14
PER MIL-STD-883C, SECT 2000.15
PER MIL-STD-883C, SECT 2000.16
PER MIL-STD-883C, SECT 2000.17
PER MIL-STD-883C, SECT 2000.18
PER MIL-STD-883C, SECT 2000.19
PER MIL-STD-883C, SECT 2000.20
PER MIL-STD-883C, SECT 2000.21
PER MIL-STD-883C, SECT 2000.22
PER MIL-STD-883C, SECT 2000.23
PER MIL-STD-883C, SECT 2000.24
PER MIL-STD-883C, SECT 2000.25
PER MIL-STD-883C, SECT 2000.26
PER MIL-STD-883C, SECT 2000.27
PER MIL-STD-883C, SECT 2000.28
PER MIL-STD-883C, SECT 2000.29
PER MIL-STD-883C, SECT 2000.30
PER MIL-STD-883C, SECT 2000.31
PER MIL-STD-883C, SECT 2000.32
PER MIL-STD-883C, SECT 2000.33
PER MIL-STD-883C, SECT 2000.34
PER MIL-STD-883C, SECT 2000.35
PER MIL-STD-883C, SECT 2000.36
PER MIL-STD-883C, SECT 2000.37
PER MIL-STD-883C, SECT 2000.38
PER MIL-STD-883C, SECT 2000.39
PER MIL-STD-883C, SECT 2000.40
PER MIL-STD-883C, SECT 2000.41
PER MIL-STD-883C, SECT 2000.42
PER MIL-STD-883C, SECT 2000.43
PER MIL-STD-883C, SECT 2000.44
PER MIL-STD-883C, SECT 2000.45
PER MIL-STD-883C, SECT 2000.46
PER MIL-STD-883C, SECT 2000.47
PER MIL-STD-883C, SECT 2000.48
PER MIL-STD-883C, SECT 2000.49
PER MIL-STD-883C, SECT 2000.50
PER MIL-STD-883C, SECT 2000.51
PER MIL-STD-883C, SECT 2000.52
PER MIL-STD-883C, SECT 2000.53
PER MIL-STD-883C, SECT 2000.54
PER MIL-STD-883C, SECT 2000.55
PER MIL-STD-883C, SECT 2000.56
PER MIL-STD-883C, SECT 2000.57
PER MIL-STD-883C, SECT 2000.58
PER MIL-STD-883C, SECT 2000.59
PER MIL-STD-883C, SECT 2000.60
PER MIL-STD-883C, SECT 2000.61
PER MIL-STD-883C, SECT 2000.62
PER MIL-STD-883C, SECT 2000.63
PER MIL-STD-883C, SECT 2000.64
PER MIL-STD-883C, SECT 2000.65
PER MIL-STD-883C, SECT 2000.66
PER MIL-STD-883C, SECT 2000.67
PER MIL-STD-883C, SECT 2000.68
PER MIL-STD-883C, SECT 2000.69
PER MIL-STD-883C, SECT 2000.70
PER MIL-STD-883C, SECT 2000.71
PER MIL-STD-883C, SECT 2000.72
PER MIL-STD-883C, SECT 2000.73
PER MIL-STD-883C, SECT 2000.74
PER MIL-STD-883C, SECT 2000.75
PER MIL-STD-883C, SECT 2000.76
PER MIL-STD-883C, SECT 2000.77
PER MIL-STD-883C, SECT 2000.78
PER MIL-STD-883C, SECT 2000.79
PER MIL-STD-883C, SECT 2000.80
PER MIL-STD-883C, SECT 2000.81
PER MIL-STD-883C, SECT 2000.82
PER MIL-STD-883C, SECT 2000.83
PER MIL-STD-883C, SECT 2000.84
PER MIL-STD-883C, SECT 2000.85
PER MIL-STD-883C, SECT 2000.86
PER MIL-STD-883C, SECT 2000.87
PER MIL-STD-883C, SECT 2000.88
PER MIL-STD-883C, SECT 2000.89
PER MIL-STD-883C, SECT 2000.90
PER MIL-STD-883C, SECT 2000.91
PER MIL-STD-883C, SECT 2000.92
PER MIL-STD-883C, SECT 2000.93
PER MIL-STD-883C, SECT 2000.94
PER MIL-STD-883C, SECT 2000.95
PER MIL-STD-883C, SECT 2000.96
PER MIL-STD-883C, SECT 2000.97
PER MIL-STD-883C, SECT 2000.98
PER MIL-STD-883C, SECT 2000.99
PER MIL-STD-883C, SECT 2000.100

Pin Definition

- J1 RF in
- J2 RF out
- J3-1 Command Return
- J3-2 Shield Return ground
- J3-6 Status Output
- J3-10 Command Input
- J3-12 28 Volt Return
- J3-13 +28 Volt Input

- NOTES:**
- FINISH: GRAY EPOXY PAINT IAW MIL-C-22750, COLOR 36231 PER FED-STD-595, OVER EPOXY PRIMER PER MIL-P-23377, OVER MICROWAVE SILVERPLATE OVER COPPER OVER ELECTROLESS NICKEL IAW RSM QAP-3, SHT. 5 OF 6.
 - ENTIRE BOTTOM SURFACE TO BE IRIDITE 14-2 TO PROVIDE ELECTRICAL BONDING IAW MIL-B 5087B, CLASS R AND TO BE COMPATIBLE WITH ALUMINUM.
 - WEIGHT: 3 LBS. 5 OZ.
 - BREAK ALL SHARP EDGES

RS MICROWAVE COMPANY, INC.
32 PARK PLACE, P.O. BOX 273
WYLER, NEW JERSEY 07095
973-882-1207 FAX 973-882-1207

OUTLINE WITH ELECTRICAL SPECIFICATIONS

SCALE: 1:1

REV. NO. 63531A-1A-4

DATE 3-1-06

DESIGNED BY HJB

DRAWN BY HJB

CHECKED BY HJB

DATE 3-1-06

REV. NO. 63531A-1A-4