NOTES:

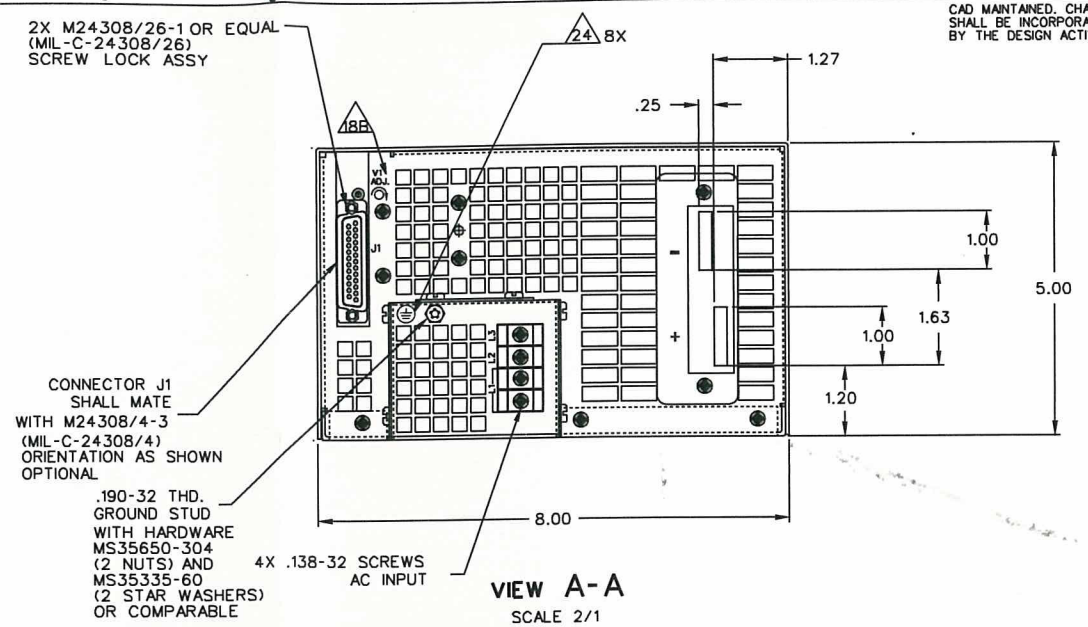
1. INTERPRET DRAWING IAW MIL-STD-100E
2. UNLESS OTHERWISE SPECIFIED PERFECT ORIENTATION AT MMC REQUIRED FOR RELATED FEATURES
3. MATL:- ENCLOSURE: AL ALLOY ALL OTHER COMPONENTS: AS SUPPLIED
4. PROTECTIVE FINISH:- ENCLOSURE: CHEMICAL CONVERSION COATING, MIL-C-5541, CLASS 1A OR 3 ALL OTHER COMPONENTS: AS SUPPLIED
5. OPTIONAL: PAINT EXTERIOR OF ENCLOSURE
6. WEIGHT: 30 LBS MAX
7. OPERATING TEMPERATURE: 0° C TO +71° C, FULL POWER TO 50° C, DERATING LINEARLY TO 60% FULL POWER AT +71° C
8. STORAGE TEMPERATURE: -50° C TO +85°
9. HUMIDITY: 95% MAX NONCONDENSING
10. HIGH TEMPERATURE: MIL-STD-810D, METHOD 501.2, PROCEDURES 1 AND 2
11. LOW TEMERATURE: MIL-STD-810D, METHOD 502.2, PROCEDURE 1
12. TEMPERATURE SHOCK: MIL-STD-810D, METHOD 503.2, PROCEDURE 1
13. HUMIDITY: MIL-STD-810D, METHOD 507.2, PROCEDURES 1 AND 2
14. FUNGUS: MIL-STD-810D, METHOD 508.3
15. VIBRATION: MIL-STD-810D, METHOD 514.3, CATEGORY 3, PROCEDURE 2, OR 5-500Hz AT 0.75G PEAK LIMITED BY 0.25 INCH DOUBLE AMPLITUDE
16. SHOCK: MIL-STD-810D, METHOD 516.3, PROCEDURES 2 AND 6, 25g PEAK, 11ms DURATION
17. ELECTRICAL INPUT:
    - A. VOLTAGE: 115 V ac (90-132) 3Ø DELTA 60 Hz
    - B. FREQUENCY: 47-440Hz
    - C. INRUSH CURRENT: 40 A RMS MAX FOR 20 ms
    - D. LINE TRANSIENT: PER IEEE STD C37.90.1
    - E. POWER FACTOR: .95 NOMINAL
18. ELECTRICAL OUTPUT:
    - A. POWER: 2000 W MIN. SHALL APPLY TO ADJUSTABLE VOLTAGE RANGE
    - (B) VOLTAGE: SEE TABLE. NOMINAL VOLTAGE SHALL BE ADJUSTABLE ±5%
    - C. LOAD REGULATION: 0.2%
    - D. LINE REGULATION: 0.2%
    - E. RIPPLE/NOISE: 1% OR 50 mV WHICHEVER IS GREATER
    - F. OVER VOLTAGE PROTECTION
    - G. OVER CURRENT PROTECTION
    - H. THERMAL SHUTDOWN SHALL PREVENT POWER SEMICONDUCTORS FROM OPERATING ABOVE THEIR RATED TEMPERATURES
19. EFFICIENCY: 70% MIN
20. J1 CONNECTOR FUNCTIONS:
    - A. THESE CONNECTIONS FORM AN SPDT ELECTRICALLY ISOLATED OUTPUT WITH A MIN RATING OF 28 V dc @ 100 mA, RESISTIVE. DC OK COM IS CONNECTED TO DC OK NO WHEN THE DC OUTPUT IS WITHIN ±5% OF THE VALUE SET BY THE ADJUSTMENT CONTROL (REF NOTE 18.B.); OTHERWISE, DC OK COM IS CONNECTED TO DC OK NC
    - B. WITH PIN 8 AT AN OPEN CIRCUIT CONDITION WITH RESPECT TO PIN 9, THE OUTPUT IS ON. WITH PIN 8 CONNECTED TO PIN 9, THE OUTPUT IS OFF. MIN EXTERNAL CONTACT RATING, 30 V @ 20 mA dc, RESISTIVE. WHEN PIN 8 IS CONNECTED TO PIN 9, THE VOLTAGE AT PIN 8, WITH RESPECT TO PIN 9, SHALL NOT EXCEED 1.0 V dc WITH A MINIMUM CURRENT OF 4mA
    - C. THE REMOTE SENSE LINES MUST BE CONNECTED TO THEIR RESPECTIVE OUTPUT TERMINALS. REMOTE SENSE SHALL COMPENSATE FOR UP TO 500 mV OF TOTAL (SOURCE AND RETURN) VOLTAGE DROP
    - D. 5V LOGIC WILL SUPPLY A MAXIMUM OF 10mA

NOTES: CONT

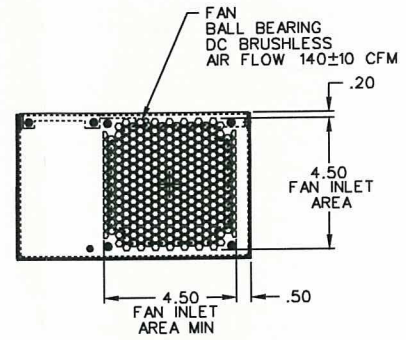
21. LEAKAGE CURRENT 1 mA MAX
22. DIMENSIONAL LIMITS APPLY AFTER PROTECTIVE FINISH AND PAINTING
23. ITEM IDENTIFICATION: MARK IAW MIL-STD-130, INCLUDING CONTROL NUMBER IN PARENTHESIS, METHOD OPTIONAL
24. MARKINGS: APPLY IN APPROX LOCATION SHOWN USING INK, CONTRASTING COLOR
25. DELETED
26. IDENTIFICATION OF THE SUGGESTED SOURCES HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY
27. EMI REQUIREMENTS: CE102 PER MIL-STD-461E, RELAXED 10 dB FROM 10 KHz TO 120 KHz
28. NO MINIMUM LOAD REQUIRED TO MEET REGULATION REQUIREMENTS

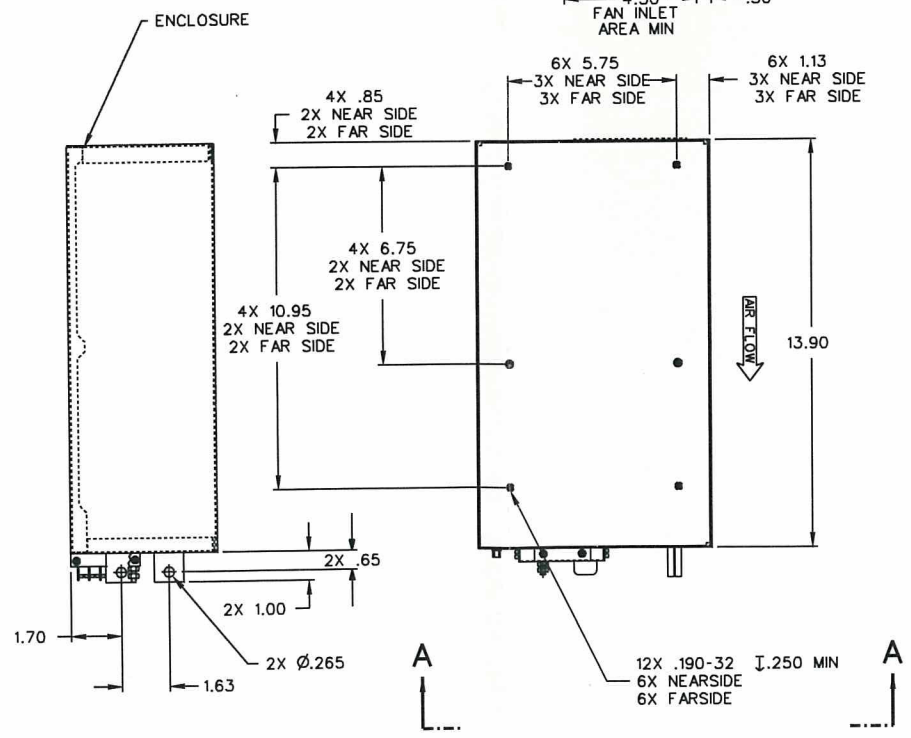
CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	RE 33046	99-01-11	BP
	B	CH 29375	99-08-13	BP
	C	CH 33013	04-01-21	SD
	D	CH 33290	04-04-14	SD
	E	RO 42801 ECP 391/2148	06-01-27	SD
	F	RO 43281 ECP 391/2151,391/2157	06-03-31	SD



VIEW A-A
SCALE 2/1





J1 CONNECTOR		SEE NOTE
CONTACT	FUNCTION	
1	DC OK NC	20.A.
2	DC OK COM	20.A.
3	DC OK NO	20.A.
4	--	
5	--	
6	--	
7	--	
8	REMOTE ENABLE	20.B.
9	ENABLE RTN	20.B.
10	--	
11	--	
12	--	
13	--	
14	(+)5V LOGIC	
15	(-) REMOTE SENSE	20.C.
16	(+) REMOTE SENSE	20.C.
17	--	
18	--	
19	--	
20	--	
21	--	
22	--	
23	--	
24	--	
25	--	

SUGGESTED SOURCE OF SUPPLY:

VOLTAGE	PART NO	CONTROL NO
60 V dc NOMINAL (BB)	PS12376	6936858-2
28 V dc NOMINAL (BB)	PS12375	6936858-1

NEXT ASSY	USED ON
6936778	6936778

APPLICATION

DISTRIBUTION STATEMENT D: DISTRIBUTION AUTHORIZED TO DOD AND DOD CONTRACTORS ONLY; CRITICAL TECHNOLOGY, 98 APRIL 03. OTHER REQUESTS SHALL BE REFERRED TO NSWC/PHD DET LOUISVILLE, CODE 4K10

VENDOR ITEM DRAWING CONTROL NO SEE TABLE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONING AND TOLERANCING IAW ANSI Y14.5M-1982.
TOLERANCES:
ANGLES ±1°
2 PLACE DECIMALS ±.03
3 PLACE DECIMALS ±.010
MATERIAL

CONTR NO. N00024-96-C-5200
HOLLMORGEN ELECTRO-OPTICAL
CAGE CODE 34228

DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
ARLINGTON, VA 22242

POWER SUPPLY

DRAWN	T CORCORAN	98-12-04
CHECKED	E GARNER	98-12-04
APPROVED	B MANNEKOER	98-01-11
APPROVED		

ACCEPTED/APPROVED FOR NAVSEA

SIZE	CAGE CODE	NAVSEA DRAWING NO.	REV
E	53711	6936858	F

SCALE 1/2 SHEET 1 OF 1

DRAWN BY: CAGE CODE 34228