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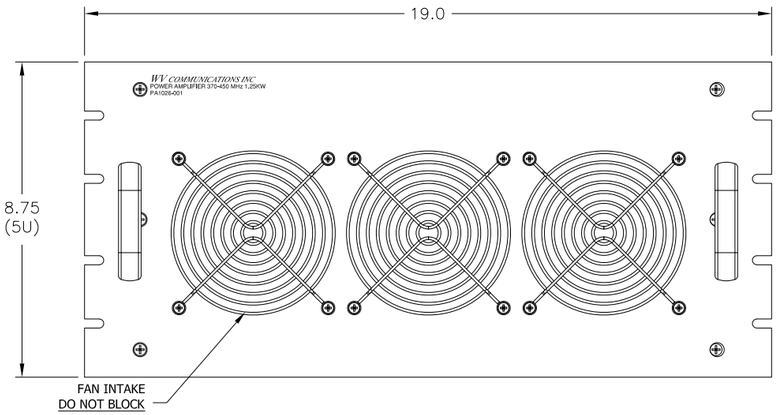
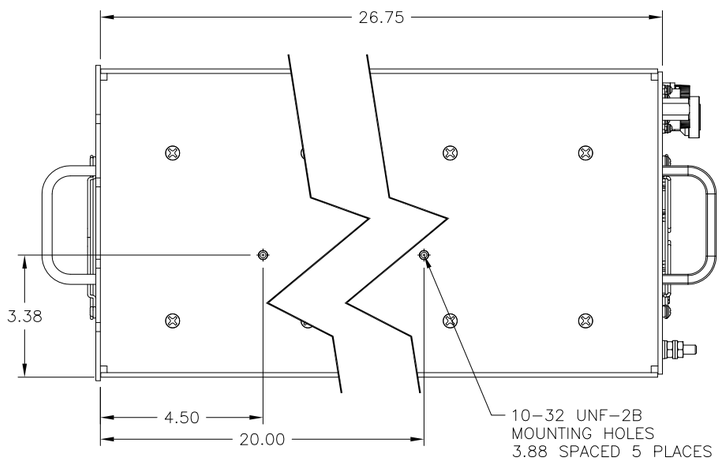
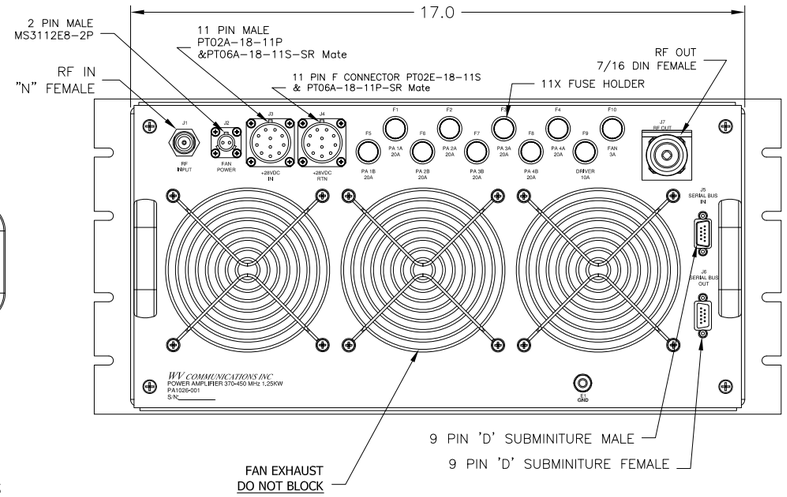
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	RELEASED	4/18/2013	TT







J2	
PIN NO.	PIN NAME
A	+28V
B	GND

J3	
PIN NO.	PIN NAME
A	+28V FINAL 1A
B	+28V FINAL 2A
C	+28V FINAL 3A
D	+28V FINAL 4A
E	+28V FINAL 1B
F	+28V FINAL 2B
G	+28V FINAL 3B
H	+28V FINAL 4B
J	+28V DRIVER
K	
L	

J4	
	PIN NAME
A	+28V RTN
B	+28V RTN
C	+28V RTN
D	+28V RTN
E	+28V RTN
F	+28V RTN
G	+28V RTN
H	+28V RTN
J	+28V RTN
K	
L	

J5	
PIN NO.	PIN NAME
1	FWD DET PWR
2	SPARE
3	SPARE
4	GND
5	GND
6	RFL DET PWR OUT
7	DATA+
8	DATA-
9	ADDRESS

J6	
PIN NO.	PIN NAME
1	SPARE
2	SPARE
3	SPARE
4	SPARE
5	GND
6	SPARE
7	DATA+
8	DATA-
9	ADDRESS

SPECIFICATIONS SUMMARY

OPERATING FREQUENCY RANGES:	370-450MHz
RF OUTPUT POWER:	1.25KW Minimum at 1dB Compression
GAIN:	34dB Minimum
RF INPUT POWER WITHOUT DAMAGE:	0.5W Maximum
SMALL SIGNAL GAIN FLATNESS:	±1dB Maximum Into 1.25:1 Output Load VSWR
INPUT AND OUTPUT IMPEDANCE:	50Ω Nominal
INPUT VSWR:	2.0:1 Maximum (Ref 50Ω)
HARMONIC SIGNAL LEVELS:	Integral Low Pass Filter -90dBc Maximum from 1100 – 2750MHz
SPURIOUS SIGNAL LEVELS:	-55dBc Maximum
RF POWER RSSI INDICATION:	1.275Vdc/10KΩ Load Nominal for both Forward and Reflected RF Level of 1KW
TEMPERATURE RANGES:	Operating 0 to +50°C Storage -20 to +70°C
COOLING:	Forced air via integral Front Panel Intake and Rear Panel Exhaust Fans
ALTITUDE:	MSL to 70,000 Ft
DC INPUT POWER:	+28Vdc at 90 Amps Maximum
FAN DC INPUT POWER:	+24Vdc at 3 Amps Maximum
WEIGHT:	120 Lbs. Maximum
FRONT PANEL PAINT:	Grey 26307 FED-STD-595A

900-50228-001	PA1026-001
NEXT ASSEMBLY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
FRACTIONS ± 1/64 DECIMALS .XX±.01 .XXX±.005 ANGLES ±0°30' HOLES .XX±.005 .XXX +.003 -.001
MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX
MATERIAL
FINISH
DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN TONY T	4/18/2013
CHECKED TT	04/18/13
MECH ENGR TT	04/18/13
ELEC ENGR JT	04/18/13
PRODUCTION AM	04/18/13
Q.A. WO	04/18/13

WV Communications 1125A Business Center Circle Newbury Park, CA

POWER AMPLIFIER DRAWER
370-450MHZ 1.25KW W/SERIAL INTERFACE
WITH 7/16 DIN OUTPUT – PA1026-001

SIZE	CAGE CODE	DWG. NO.	REV
D	1GFQ7	050-50662-001	A

SCALE NONE SHEET 1 OF 1

REV A
DWG. NO. 050-50662-001