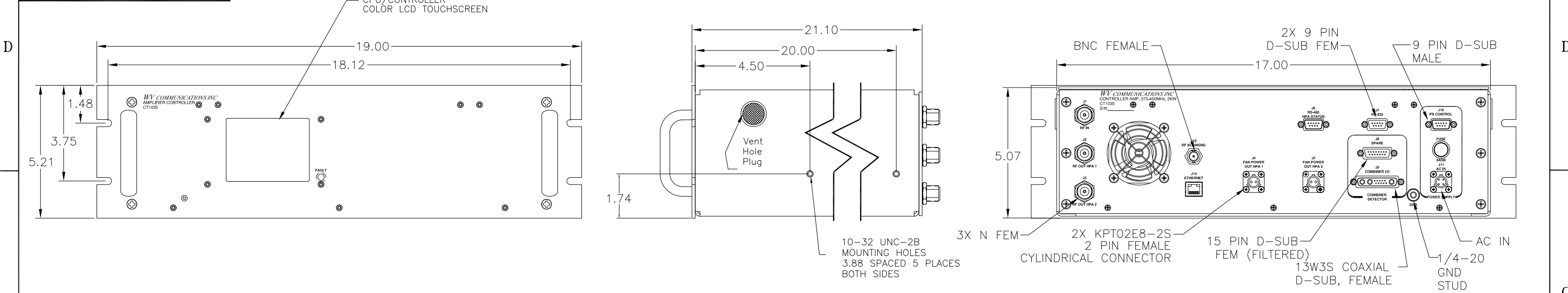


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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A	RELEASE		5/24/2011	UY



J4/J5 - HPA1/2 FAN POWER	
PIN NO.	FUNCTION
A	+24V
B	GND

J6 - STATUS HPA 1/2	
PIN NO.	FUNCTION
1	N/C
2	N/C
3	SPARE
4	N/C
5	GND
6	N/C
7	DATA +
8	DATA -
9	ADDRESS INPUT

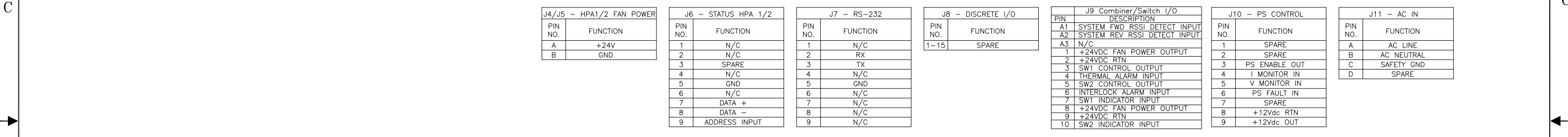
J7 - RS-232	
PIN NO.	FUNCTION
1	N/C
2	RX
3	TX
4	N/C
5	GND
6	N/C
7	N/C
8	N/C
9	N/C

J8 - DISCRETE I/O	
PIN NO.	FUNCTION
1-15	SPARE

J9 Combiner/Switch I/O	
PIN	DESCRIPTION
A1	SYSTEM FWD RSSI DETECT INPUT
A2	SYSTEM REV RSSI DETECT INPUT
A3	N/C
1	+24VDC FAN POWER OUTPUT
2	+24VDC RTN
3	SW1 CONTROL OUTPUT
4	THERMAL ALARM INPUT
5	SW2 CONTROL OUTPUT
6	INTERLOCK ALARM INPUT
7	SW1 INDICATOR INPUT
8	+24VDC FAN POWER OUTPUT
9	+24VDC RTN
10	SW2 INDICATOR INPUT

J10 - PS CONTROL	
PIN NO.	FUNCTION
1	SPARE
2	SPARE
3	PS ENABLE OUT
4	I MONITOR IN
5	V MONITOR IN
6	PS FAULT IN
7	SPARE
8	+12Vdc RTN
9	+12Vdc OUT

J11 - AC IN	
PIN NO.	FUNCTION
A	AC LINE
B	AC NEUTRAL
C	SAFETY GND
D	SPARE



**RF SPECIFICATIONS:**  
**OPERATING FREQUENCY RANGES:** 370-450MHz  
**RF OUTPUT POWER:** 2ea 0.25W Minimum @ 1dB Comp each Output  
 27dB Minimum at 1dB Comp  
 10dBm Maximum  
**GAIN:** ±1dB Maximum Into 1.25:1 Load VSWR  
**SMALL SIGNAL GAIN FLATNESS:** 50 Ohm Nominal  
**INPUT AND OUTPUT IMPEDANCE:** 2.0:1 Maximum (Ref 50 Ohm)  
**INPUT VSWR:** -60dBc Maximum  
**SPURIOUS SIGNAL LEVELS:** Operating 0 to +50°C  
**TEMPERATURE RANGES:** Via Forced air Exhaust Fan  
**COOLING REQUIRED:** 0-30dB Minimum  
**INTEGRAL VVA RANGE:** 0Vdc-Min Gain +4Vdc Max Gain  
**INTEGRAL VVA CONTROL:** TTL '1'=BLANK; TTL '0'=RF ON  
**EXTERNAL BLANKING INPUT:**

**CPU/CONTROLLER LOCAL CONTROL:** Via Color Touchscreen LCD Display  
**REMOTE CONTROL:** Via RS-232C 38.4KB, N, 8, 1 Protocols  
 Ethernet UDP Protocol

**AC INPUT POWER AT:** 115/230VAC at 4/2 Amp Maximum 47-63 Hz Single Phase

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		APPROVALS	DATE	WV Communications 1176 Tourmaline Dr. Newbury Park, CA
FRACTIONS	DECIMALS	ANGLES	HOLE	
± 1/64	.XXX-01	±0°30'	.XXX-005	DRAWN TONY T. 5/24/2011 CHECKED TONY T. 5/24/2011 MECH ENGR T.T. 5/24/2011 ELEC ENGR J.T. 5/24/2011 PRODUCTION A.M. 5/24/2011 Q.A. D.B. 5/24/2011
	.XXX-005		.XXX+.003	
MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX		MATERIAL FINISH		
900-50320	SYS1032	SIZE CAGE CODE DWG. NO. REV D 1GFQ7 050-50854 A		
900-50322	CT1035	SCALE NONE SHEET 1 OF 1		
NEXT ASSEMBLY	USED ON	APPLICATION DO NOT SCALE DRAWING		