

REFERENCE INFORMATION:		REFER TO PART RELEASE DOCUMENT FOR APPROVAL SIGNATURES					
Number of line items 18		Approved				Date	
Number of components 20		Document Control				Date	
PWA P/N	200-0250		DOCUMENT TITLE	PWA, PLUS REGION 2 CR80 VERTICAL TAG 10 Hz			
REV	A						
Item Number	PLUS Item P/N	Quantity	Description	Part Reference	Value	Notes / Comments	
1	013-0358-9	1	RES,nPb,499 OHM 1/16W 1% 0402	R9	499	CR0402	
2	013-0451-9	1	RES,nPb,604 OHM 1/16W 1% 0402	R13	604	CR0402	
3	013-0346-9	1	RES, nPb, 40.2 Ohm 1/16W 1% 0402 SMD	R12	40.2	CR0402	
4	013-0535-9	2	RES,nPb,1M OHM 1% 1/16W 0402	R3 R11	1M	CR0402	
5	013-0555-9	1	RES,nPb,2.21K OHM 1% 1/16W 0402	R8	2.21K	CR0402	
6	013-0601-9	1	RES, nPb 499K OHM 1/16W 1% 0402 SMD	R10	499K	CR0402	
7	015-0359-9	1	CAP,nPb, CER 18PF 50V 5% NP0 0402	C9	18pF	CC0402	
8	015-0463-9	1	CAP,nPb, CER 1PF 50V NP0 0402	C11	1.0pF	CC0402	
9	015-0358-9	1	CAP,nPb,15PF,50V,NPO,0402	C7	15pF	CC0402	
10	015-0397-9	1	CAP, nPb, 0.22uF 10% 10V X7R, SMD, 0603	C6	0.22uF	CC0603	
11	015-0415-9	1	CAP, nPb, CER 20PF 50V 5% C0G 0402	C8	20PF	CC0402	
12	015-0425-9	2	CAP,nPb,CER 22uF 20% 6.3V X5R, 0805	C1 C3	22uF	CC0805	
13	025-0056-9	1	CRYSTAL,nPb,8.000 MHZ 10PF, 5.0mm x 3.2mm, -20°C ~ 70°C, ±10ppm	Y1	8MHz	ABM3B	
14	028-0491-9	1	TRANSISTOR,nPb,MOSFET, P-CH 8V 1.6A,RDS 0.153 OHM,SOT363	Q1	Si1499DH	SC70-6	
15	028-0497-9	1	IC,nPb,UHS 2-INPUT NOR GATE, SC-70	U2	NC7SZ02P5X	SC70-5	
16	028-0588-9	1	IC,nPb,FLASH 8-Bit microcontroller, QFN	U3	PIC16F689-I/ML	QFN20_4X4	
17	029-0115-9	1	TRANSISTOR,nPb,NPN SILICON Ft=25GHZ,TSFP-4	Q2	BFP405FE6327	TSFP-4	
19	300-0210A	1	PCB, PLUS REGION 2 CR80 VERTICAL TAG	300-0210A	300-0210A		
20							
21							
22							
23							
24							
25							
26							
			END OF COMPONENT LISTING				

PWA P/N	200-0250	DOCUMENT TITLE		PWA, PLUS REGION 2 CR80 VERTICAL TAG 10 Hz		
REV	A					
Item Number	PLUS Item P/N	Quantity	Description	Part Reference	Value	Notes / Comments

REFERENCE DOCUMENTS				
	Document Number	Rev.	Description	Notes
Schematic	20S-0250	A	Schematic, PLUS REGION 2 CR80 VERTICAL TAG 10 Hz	
Ass'y Dwg	20A-0250	A	Ass'y Dwg, PLUS REGION 2 CR80 VERTICAL TAG 10Hz	
Test Proc			Test Procedure	
Software			Software, PLUS REGION 1 CR80 VERTICAL TAG 10 Hz	
Other				

DO NOT LOADS
NOTE: MH (Mounting Holes) and TP (Test Points) are not shown.
C2 C5 BC1

NOTES	
1	
2	
3	
4	
5	

REVISION HISTORY			
REV	ECO No.	DATE	APPROVED BY:
A	Initial Release	23-Sep-13	
B			
C			
D			
E			
F			



BILL OF MATERIAL

PLUS LOCATION SYSTEMS USA, LLC
6767 OLD MADISON PIKE NW STE. 310
HUNTSVILLE, AL 35806

PWA P/N	200-0250		DOCUMENT TITLE	PWA, PLUS REGION 2 CR80 VERTICAL TAG 10 Hz		
REV	A					
Item Number	PLUS Item P/N	Quantity	Description	Part Reference	Value	Notes / Comments

END OF BOM