

REFERENCE INFORMATION:		REFER TO PART RELEASE DOCUMENT FOR APPROVAL SIGNATURES				
Number of line items 24		Approved			Date	
Number of components 30		Document Control			Date	
PWA P/N	200-0251		DOCUMENT TITLE	PWA, PLUS REGION 2 HAT 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	R5	499	CR0402
2	013-0397-9	1	RES,nPb,100K OHM,1/16W,1%,0402	R2	100K	CR0402
3	013-0451-9	2	RES,nPb,604 OHM 1/16W 1% 0402	R1 R13	604	CR0402
4	013-0463-9	1	RES,nPb,0 OHM 1/16W, 5%, 0402	R10	0	CR0402
5	013-0535-9	2	RES,nPb,1M OHM 1% 1/16W 0402	R3 R7	1M	CR0402
6	013-0555-9	1	RES,nPb,2.21K OHM 1% 1/16W 0402	R4	2.21K	CR0402
7	013-0684-9	1	RES, nPb, 8.2 OHM 1/16W 5% 0402 SMD	R12	8.2	CR0402
8	013-0677-9	1	RES 4.02M OHM 1/16W 1% 0402	R8	4.02M	CR0402
9	015-0249-9	1	CAP,nPb,100PF 50V 5% NPO, SMD, 0402	C11	100pF	CC0402
10	015-0264-9	1	CAP,nPb,3.9pF,+/-0.1PF, 25V, 0402	C12	3.9pF	CC0402
11	015-0307-9	3	CAP,nPb,22PF 50V CERAMIC NPO 0402	C6 C7 C8	22pF	CC0402
12	015-0310-9	2	CAP,nPb, 0.01UF 25V CERAMIC X7R 0402	C9 C10	0.01uF	CC0402
13	015-0397-9	1	CAP,nPb,0.22uF 10% 10V X7R, 0603	C5	0.22uF	CC0603
14	015-0398-9	1	CAP,nPb,10uF,20%,6.3V,X5R,0603	C3	10uF	CC0603
15	015-0399-9	1	CAP,nPb,CER 2200pF 10% 50V X7R,0402	C4	2200pF	CC0402
16	015-0425-9	2	CAP,nPb,CER 22uF 20% 6.3V X5R, 0805	C1 C2	22uF	CC0805
17	016-0124-9	1	IND,nPb 5.6NH +/-0.3NH 0402	L3	5.6nH	IND0402
18	016-0237-9	1	INDUCTOR, nPb, 1.2nH +/-0.3nH 0402	L2	1.2nH	CC0402
19	028-0478-9	1	IC,nPb,FLASH 8-Bit microcontroller	U1	PIC16F688	SO14
20	028-0491-9	1	TRANSISTOR,nPb,MOSFET, P-CH 8V 1.6A,RDS 0.153 OHM,SOT363	Q1	Si1499DH	SC70-6
21	028-0497-9	1	IC,nPb,UHS 2-INPUT NOR GATE, SC-70	U2	NC7SZ02P5X	SC70-5
22	029-0115-9	1	TRANSISTOR,nPb,NPN SILICON Ft=25GHZ,TSFP-4	Q2	BFP405FE6327	TSFP-4
23	025-0056-9	1	CRYSTAL,nPb,8.000 MHZ 10PF, 5.0mm x 3.2mm, -20°C ~ 70°C, ±10ppm	Y1	8MHz	ABM3B
24	300-0251A	1	PWB, PLUS REGION 2 HAT TAG 10 Hz	300-0251A	300-0251A	300-0251A

PWA P/N	200-0251		DOCUMENT TITLE	PWA, PLUS REGION 2 HAT TAG 10 Hz		
REV	A					
Item Number	PLUS Item P/N	Quantity	Description	Part Reference	Value	Notes / Comments
			END OF COMPONENT LISTING			

REFERENCE DOCUMENTS				
Document Number	Rev.	Description	Notes	
Schematic	20S-0251	A	Schematic, PLUS REGION 2 HAT TAG 10 Hz	
Ass'y Dwg	20A-0251	A	Ass'y Dwg, PLUS REGION 2 HAT TAG 10 Hz	
Test Proc			Test Procedure	
Software			Software, PLUS REGION 2 HAT TAG 10 Hz	
Other				

DO NOT LOADS	
NOTE: MH (Mounting Holes) and TP (Test Points) are not shown.	
J1, D1, D2, R6, R9	

NOTES	
1	
2	
3	
4	
5	

REVISION HISTORY			
REV	ECO No.	DATE	APPROVED BY:

BILL OF MATERIAL

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

PWA P/N	200-0251		DOCUMENT TITLE	PWA, PLUS REGION 2 HAT TAG 10 Hz		
REV	A					
Item Number	PLUS Item P/N	Quantity	Description	Part Reference	Value	Notes / Comments
A	Initial Release	23-Sep-13				
B						
C						
D						
E						
F						

END OF BOM