





100 170 170 1805	B. I I.	0	F - 1 - 1 - 1	13.0.6	0	D 1 11
C3	Designator C1	Comment 10uF 12V	Footprint 0805	LibRef Cap	Quantity 1	Description
C3. C4. C5. C6. C41 100n	C2					
20						
C14 C15, C16, C16905C10X1RACT C08905C10X1RACT C08905C10X1R						
C14_C15_C16_C20_ C0695C10X1RACT MACC_S0V_X7R_C17C10C_C20_ C0695C10XSRACT C0695C10XSRACT MACC_S0V_X7R_C17C10C_C20_ C0695C10XSRACT C0695C10XSRACT MACC_S0V_X7R_C17C10C_C20_ C10_C20_	C/	22UF 25V	2917 Tantalum	Cap Polar		Capacitor, 10nF.
C10 C21 C22	C14, C15, C16,					MLCC, 50V, X7R,
C19.C21.C27	C17, C18, C20	U	0603	U	6	10%, SMD Capacitor 1nF
C22						MLCC, 50V, X7R,
C23, C24, C25, C26, C26, C26, C26, C26, C26, C26, C26					3	10%, SMD
C23 C24 C25 C26 C086SC1915GACT MACC. 59V. COG. C12 C24 C25 C26	C22	1n	0603	Cap	1	Capacitor 150pF
CORRECTORSMARCT 0400		C0805C151J5GACT		C0805C151J5GACT		MLCC, 50V, COG,
C28, C29, C30, C30, C30, C30, C30, C30, C30, C30	C23, C24, C25, C26	U	0603	U	4	
C28.C29, C30.C31		C0805C105K4RACT		C0805C105K4RACT		Capacitor, 1uF, MLCC 16V X7R
C43, C44, C48, C49 Uf	C28, C29, C30, C31		0603		4	10%, SMD
C3S. C36. SPF	C34, C37, C42,	1	0402	C	7	
Case					,	
Cap						
CAD						
Cap						
Comparison						
Commonstrate						
Commonstrated Commonstrate Com	C50	10nF 275V AC	13x5	Cap	1	Conneites 0.1F
1						MLCC, 50V, X7R,
D3		U		U	1	10%, SMD
Part			DO-214		2	Default Diode
December	D3	SMBJ5.0A-TR	do-214	SMBJ170A	1	F 11 W
	D4	Bridge1	MBS-2	Bridge1	1	Full Wave Diode Bridge
Interrupt						ugu
Paul	D8	Interrupt	angle	LED	1	
Description Current Limit Committed	D9	Eault		LED		
Description			LED 5mm Right			
Display	D10	Current Limit	angle	LED	1	
Display	D11	Serial Data		LED	1	
Power Section Power Section Power Section Power Section Power Section Power Po					'	
D14	D12	Power		LED	1	
1014						
C1	D14	HFBR-141X	HFBR-1414MZ	HFBR-141X	1	
Micro	IC1			TL082	1	
				USB 2.0 Type B		
						Hander 2 Die
Section Page Horizon Header S S						
Header 4X2						
					-	Header, 4-Pin,
Header 9		Expansion 1	HDR2X4		1	
Mains in Micro Fit 4 Pin						
Mains in Micro Fit 4 Pin Pin 1	J8	Expansion 3	HDR1X9		1	Header, 9-Pin
100 Bus Sense HDR1X4 Header 4	IQ .	Mains in	Micro Fit 4 Pin		1	
						Header 4-Pin
173						
13						
Header 4X2		Thermistors			1	
1						Header, 4-Pin,
SON127R60 Common mode Co						Dual row
DLWSBTNS015Q2 Softmax Common mode Co	.1	10uH SW		Inductor	1	
DLWSBTNOTSQL2 5.66mm)				common mode		
MCU LP32 TOPPIO LP332 1 PS1 RAC20 Supply RAC20 Power supply Supply 1 PS1 RAC20 Supply Supply 1 PS2 CFM12 PS Supply Supply 1 PS2 CFM12 PS Supply Supply 1 PS2 CFM12 PS Supply Supply 1 PFBR-141X CFM12 POWER 1 PFBR-141X RESERVED SUPPLY S	L3	DLW5BTN501SQ2L		choke	1	
RAC20 RAC20 Power SAC20	MCU		TQFP100		1	
CFM12 PS						
Mosfet N	PS1	RAC20	supply	supply	1	
Mosfet N	PS2	CFM12 PS	CFM12 power supply		1	
HFBR-141X HFBR-141AMZ HFBR-13 HFBR-141AMZ HFBR-141AMZ HFBR-141X HFBR-1414MZ HFBR-141X HFBR-1414MZ HFBR-141X HFBR-141					1	
hFBR-141X						Fiber optic
Mostet N	0.2	LIEDD 141V				transmitter. ST
R1						connect0f
158k 0603 Resistor 1						
24, R5 22 0402 Resistor 2 2 66 470hm 350V 2512 Resistor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
25						
Resistor 1						
Resistor 1						
RFN 32ATTID2501B2						
R0, R10		RN732ATTD2501B2				
R11, R12, R13, R14 5 0603 Resistor 4 Resistor, Thick Film, IX, 178W, R15, R16, R20 CRCW08051K00FK CRCW08051K00FK CRCW08051K00FK CRCW08051K00FK CRCW08051K00FK CRCW08051K00FK CRCW08051K00FK R15, R18, R21, R22 EA CRCW08051K00FK CRCW08051K00FK CRCW08051K00FK R17, R18, R21, R22 EA CRCW08051K00FK CRCW08051K00FK R17, R18, R21, R22 EA CRCW08051K00FK CRCW08051K00FK R17, R18, R21, R22 EA CRCW08051K00FK R17, R18, R21, R22 EA CRCW08051K00FK R17, R18, R21, R22 EA CRCW08051K00FK R21, R22, R24, R25, R25, R24, R25, R25, R24, R25, R25, R24, R25, R25, R25, R24, R25, R25, R25, R25, R24, R25, R25, R25, R24, R25, R25, R25, R25, R25, R25, R25, R25	R9, R10	5	0603	Resistor	2	
R15, R16, R20 CRCW08051K00FK EA CRCW08051K00FK EA S15, R16, R20 EA S15, R17, R18, R21, R22 EA S15, R24, R25, R24, R25, R26, R27, R29 EA S15, R28, R28, R28, R28, R28, R28, R28, R28	R11, R12, R13. R14		0603	Resistor	4	
CRCW08051K00FK CRCW08051K00FK Film, IK, 178W,						Resistor, Thick
CRCW0805100FK CRCW0805100FK CRCW0805100FK Resistor, Thick Film, Tit, T/gW, Fi	R15 R16 P20		0603		2	Film, 1K, 1/8W,
CRCW0805100FK CRCW0805100FK Film, 1K. 1/8W, 4 150V, 1%, 5MD 603	J, K 10, RZU		0000		3	
R19 261-3.3-RC SOM-03 3W CMF60100R00JKEA 1 1/2W, 500V, 5% 282, R27, R29 1k 0603 Resistor 6 Resistor 1 1 R30 0603 Resistor 1 R30 0603 Resistor 1 R30 0603 Resistor 1 R30 0603 Resistor 1 R30 0603 R60 0603 R6						Film, 1K, 1/8W,
R19	R17, R18, R21, R22	EA	0603	EA	4	150V, 1%, SMD
R19						
R28, R27, R29 1k 0603 Resistor 6 R28 4 fOhm 0603 Resistor 1 R30 680 0603 Resistor 1 R31 220 0603 Resistor 1 Reg1 Buck regulator 1 SO1726 AP6320 1 Safe Default HDR1X2 Header 2 1 Header, 2-Pin 17 OptoTriac Dip6 OptoTriac 1		261-3.3-RC	SQM-03 3W	CMF60100R00JKEA	1	
A70hm	R23, R24, R25,	14	0603	Pesistor		
Resistor 1						
20						
Reg1 Buck regulator TSOT26 AP6320 1 Safe Default HDR1V2 Header 2 1 Header, 2-Plin 17 OptoTriac Dip6 OptoTriac 1 ECS-3225MV FCS-3225MV 1						
Safe Default HDR1X2 Header 2 1 Header, 2-Pin 17 OptoTriac DIp6 OptoTriac 1 ECS 3225MV 1						
T? OptoTriac Dip6 OptoTriac 1 ECS-3225MV 1						Header 2-Pin
ECS-3225MV						
X1 16MHz Oscillator Quarz crystal 1			ECS-3225MV			
	X1	16MHz		Quarz crystal	1	L