SI : solder jumper connection : see PCB this way.	Lmeans	onnect L and con	nter, R mean connect R and conner, N	C mean name connection				
(T-11-11-11-11-11-11-11-11-11-11-11-11-11		Н.	L R					
		\equiv	SJ4					
	Up mean	connect Up and c	Contact					
			Up					
Assembly variant: wider following order recommended Part: Value Package Library Position (mm) Orientation		herpo	p://www.digikey.com					
	\$81:1-2:1			default: SU1-1-2: +5 V from Aubeino, SU1-2-3: 5.6. 15V Exect input 200mA Max				
1811-11	\$011-21 \$021-21 \$042-31 \$042-31 \$041-21 \$072-31	R		The control of the co				
\$152.3 dt \$1_2 jumper (77951.4) 80 \$84.2.3.1p \$1_2 jumper (144.29.5) 8279 \$172.3.3. \$1_2 jumper (49.72.5) 8190	\$85.2-3 t \$86.1-2 t \$87.2-3 :	ž Up		declarit: SSC-3., where was 55 or discor clock input use port D1 : SSS-1-2 default: SSC-3.; counter GND, SSC-3 : counter user default: SSC-3.3 : Ref to GND, SSC-3 : Counter user				
\$17-23-1. \$1_2 jumper (#0.77.2) R.160 \$182-3-1. \$1_2 jumper (#0.41.2) R.160 \$19. NC \$1_2 jumper (76.60.7) R.90	\$88:2-3 s \$89: NC			Addail: SBC-31: Ref to GND, SB:1-2: Ref to Ref V default: SBP-3C, when tose 555: SBP.1-2, when direct clock input use port D3: SBP.2-3				
80 (nice jumps) 1: 102: pin 1-3 80 (nice jumps) 2: 102: pin 5-7 80 (nice jumps) 2: 102: pin 5-7 80 (nice jumps) 3: 102 pin 1-3 80 (nice jumps) 4: 102: pin 5-7				disfault: not use Option A then need to not this virin jumper disfault: not use Option A then need to not this virin jumper disfault: not use Option A then need to not this virin jumper disfault: not use Option A then need to nous this virin jumper disfault: not use Option A then need to nous this virin jumper				
P2 1X01 sinhad (14.1.23.5) R0	Non			default: not use Option A then need to use this wise jumper default: not connect, when was not OSC: connect text OSC herveen IP2-IP3				
FS 13200 pinhead (14.3.21) R0	Non		76-1121-1-ND					
C1 470pF 5% C0005 xd (26.67.52.07) 890 C2 0.1pF C0005 xd (27.57.54.32) 80 C3 0.1pF C0005 xd (80.1.28.5) 80	2 470pF 18 0.1pF		76-1121-1-ND 1-1361-1-ND	C1, 5 C2, 3, 4, 10, 12, 21, 22, 23, 27, 31, 40, 41, 42, 43, 44, 46, 50 51	470pF 0.1µF 2.7uF	2 470pF 18 0.1pF 2 2.7nF	2 470pF 19 0.1pF 2 2.7uF 6 HpF 2 1pF 2 15uF 4 luF	2 470pl 16 0.1µF 2 2.7µF
1-8 (U,F) C0005 int (1.5.2 (U.S.) 80 1-5 430pF C0005 int (3.04 (2.1.79) R29 105 2.70F 507 5% (2003ts) 30pon/degC C0005 int (29.2 56.9) R0	2 2.7sF	445	5-11340-1-ND	Cit., 45 Cit., 9, 14, 20, 25, 26	16µF 1µF 15uF 1nF	18 0.1µF 2 2.7µF 6 10µF 2 1µF 2 15µF 4 1µF	2 lpF 2 l5sF	2 2.7uF 2 2.7uF 6 10µF 2 1µF 2 15uF 4 1uF
13 19 25 19 (1805 141 141-15342) 180 19 (1805 141 141-15342) 180 19 (1805 141 141-15342) 180 19 (1805 141 141-15342) 180 19 (1805 141 141-15342) 180 19 (1805 141 141-15342) 180 19 (1805 141 141-15342) 180 19 (1805 141-15342) 180 18	6 10µF 2 1µF		76-2890-1-ND 76-0029-1-ND	C1), (14, 27, 23, 23, 25) C1), (15)	0.01 ₀ F 47 ₀ F	1 0.01pF 4 47pF 8 1M ohn 2 200 ohn 6 4.7K ohn	1 0.01pF 4 47pF	1 0.00µ 4 47µF 8 1M oi
111 p	2 15sF		5-6945-1-ND	CD,44	200 ohm 4.7K ohm	2 200 ohm 6 4.7K ohm	2 200 ohrs 6 4.7K ohrs	2 200 o 6 4.7K
Compare Comp	4 luF	300-	F1136-1-ND	C16, 17, 18, 19	0.01pF 67pF 13M ohm 200 ohm 6.7K ohm 6.02K ohm 670 ohm 1K ohm 2.15K ohm	2 4 80K ohm 4 470 ohm 2 1K ohm 2 2 15K ohm 1 4.3K ohm	4 laF 1 0.01 pF 4 47 pF 8 134 ohm 2 200 ohm 2 400 ohm 2 400 ohm 2 400 ohm 2 400 ohm 2 15K ohm 2 15K ohm 2 1 4 5K ohm 4 4 9 ohm 4 9 ohm	2 200 o 6 4.7K 2 4.028 4 470 o 2 1K of 2 2.158 1 4.3K
CH 14F C0865 vd. (21.5924.3) 50 CH 14F C0865 vd. (7.21.20.72) 8279 C29 164F C0865 vd. (7.21.20.72) 8279					4.3K ohm 0 ohm	1 4.7K ohm 4 0 ohm	1 4.9K ohm 4 0 ohm	1 4.3K 4 0 ohn
C21 0.1pF C0885 nd (49.19.22.12) RD C22 0.1pF C0885 nd (44.48.55.32) R169 C23 0.1pF C0885 nd (49.19.55.05) R169							ADS422ARZ	2
C25 18pF C0885 nd (23.3.56.7) R98 18pF C0885 nd (59.75-64.22) R99 C27 0.1pF C0885 nd (44.3.4747) R90							OP2177ARZ OP4177ARZ MAX3480ESA+ LT1761ESS-5 RB-6512D	1 2
C31 0.1µF	1 0.00µF 4 47pF	490- 709	0-1664-1-ND 0-1175-1-ND	CD3 (CD34, 25, 26			LT1761835-5 RB-0512D UDGV5.1B	1 2
234 app C8885 rd (\$7.443.33) 80 235 47pF C8895 rd (\$7.443.242) R189 236 47pF C8895 rd (\$5.453.146) R189							PCR	
							epin L plug BCSP LR-IN	1
1000 1000 12 (6.1.28) 1000							6pin E. plag BCSP LR-IN BOSI IXID BOSI IXIB Power IXIB AD IXIB	1
							AD 1386	Ė
19	s 11d	ger	5-1364-1-ND	B1, 2, 3, 4, 7, 8, 16, 19				
15 16 17 17 18 18 18 18 18 18								
25 200 0.75 25punisigC 0.7W 80005 st (22.65.52.07) R90 85 200 0.75 25punisigC 0.7W 80005 st (46.82.24.09) R90 87 1M 0.75 25punisigC 0.7W 80005 st (45.12.24.20) R10	2 200 ohm	RGZ	209200BCT-ND	25.6				
ES 1M 0.15 25ppmidagC 0.1W 80005 nl (67.44.20.07) R180 80 4.7K 15 0.25W 80005 nl (69.714.259) R0 80 4.7K 15 0.25W 80005 nl (69.714.259) R0	6 4.7K	311-	14 NKCRCTND	RH, 10, 11, 12, 13, 14				
R11 4.7K 1% 0.25W R0805 nd (17.1152.84) R0 R12 4.7K 1% 0.25W R0805 nd (17.1150.5) R0 R13 4.7K 1% 0.25W R0805 nd (21.90.00.2) R0								
R14 4.7K 16 0.25W R0005 at (7.21.25.KF) R270 R15 4.02K 0.15 25ppm/dagC 0.125W R0005 at (55.15.55) R180 R16 1M 0.16 25ppm/dagC 0.1W R0005 at (57.45.4KK) R0	2 4.02K	862	20P4.03KBCT-ND	R15,17				
R17 4-02K 0.1% ESpanidag/C-0.129W B0885 nd (56.45.25.46) B2880 R18 470 5% 0.25W B8885 nd (64.22.44.27) B270 R19 13M 0.1% ESpanidag/C-0.1W B0805 nd (56.45.23.37) B0	4 470 ohm	2470	TRACTIND	R18, 30, 21, 78				
220 470 5% 0.25W R0865 rd (55.63.64.26) R09 221 470 5% 0.25W R0865 nd (65.63.25.55.7) R220 222 1K 1% 0.25W R0865 nd (62.65.63.25.97) R00	2 16	311-	1-L00KCRCT-ND	when not IV-MCU Blistooch VI il-6 thin 0 oles. R22, 33. when was FY-MCU Blooch VI il-6 thin no need R22.				
R29 2.15K 0.16 25ppurdugt 0.125W 88005 nl (20.150.5) 850 R31 1K 15 0.25W 80005 nl (70.7162.05) R100 R38 470 56 0.25W 80005 nl (44.7.62.4) 80	2 2.15K		10575CFND	229 A 234 3.3				
E19 4 3% 0.1% 25ppmldagC 0.125W R0005 xtl (20.1.03.7) R00 E2.15% xtRe1.5 25 10 ohn ar R14:2-1 & R35:2-1 : sat 1.25V offset, 0 ohn ar C46 & C47 for no DC cut	1 4.3K 4 0 ohm		140ARCTND	R299				
23				(K 23%, R RN: 51, K 0-dan R RH 2-3 K 1052-51; at 25V offset)				
`								
131 AMAZIMEZ 5003 MIRI (011745) E29	2 AD6422/ AD6422/ 1 OP2177A	RZ ADB	2177ARZ-ND	USI, US2				
ICI GRUITZARZ SGU4 AD (62.23.99.37) R0 154 MAXTHIRESA+ MAXTHIR MERI (80.31.66.1) R0 135 MAXTHIRESA+ MAXTHIR MERI (80.07.20.59) R0	2 AD6422. AD6422. 1 GP2177.6 1 GP4177. 2 MAX746 MAX746 1 ETT561E 1 RB4512	RZ OP4 OESA+ MAC OESA+	N177ARZ-ND AX7480ESA+ND	ICS (USS)				
ICT 1175HES5-5 SOT23-5 v-rag-niteral LINEAR TEC (52.8.64) R270 IST DC-DC+LIV, ER-0512D MESS: Recom Forest (10-88-64.77) R30	1 ET1761E 1 RB-0512	25-5 ET1: D 945-	1761ESS-SFTRPRECTIND 5-1865-ND	907 057				
DI UDZVS.IR SMB 5.1V zoner-finde RORM (73.12.33.58) R90 DI UDZVS.IR SMB 5.IV zoner-finde RORM (72.10.48.59) R90	2 UDZVS I UDZVS I	B C28	RSCSSCSVI-GND RSCSSCSVI-GND	D1, D3				
13-600 hγ-F								
7)-F								
1 92 92 1 4								
7/								
		Boll o	-1H2-6ND	DOUT				
\$2 9459-2 IS-2235 onlikib-talise (89.2.32.7) R279	1 CL-58-2	28-01T 563-		use for VEC. GND. TXD. RXD				
\$2 9459-2 IS-2235 onlikib-talise (89.2.32.7) R279	1 CL-58-2 1 4 pix L pl 1 PINID-1 2 PINID-1 PINID-1	Ing 1X10 1600 1X8 8X11 1X8 8X11	XIF-HES 3F-HES	ow for VCC, CND, TXD, EXD EM EM.				
\$2 9459-2 IS-2235 onlikib-talise (89.2.32.7) R279	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	ou for VCC, (ND, TXD, EXD EOH EOH				
\$\text{U}\$ \text{ Web\$2} \$0.525 \text{ with long \$(0.72.5)\$ \text{ \$0.725 \text	1 CL-58-2 1 4 pix L pl 1 PINID-1 2 PINID-1 PINID-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
\$2 9459-2 IS-2235 onlikib-talise (89.2.32.7) R279	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
C 9052 S-255 makes (92.25) & 279 VVC 000 T00300 (p.g. period (92.95) (p	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
\$\text{U}\$ \text{ Web\$2} \$0.525 \text{ with long \$(0.72.5)\$ \text{ \$0.725 \text	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
\$\text{U}\$ 100 \$\times \text{U}\$ 100 \$\text{U}\$ 1	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
\$\text{U}\$ 100 \$\times \text{U}\$ 100 \$\text{U}\$ 1	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
\$\text{U}\$ 100 \$\times \text{U}\$ 100 \$\text{U}\$ 1	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
C 9052 S-255 makes (92.25) & 279 VVC 000 T00300 (p.g. period (92.95) (p	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
\$\text{Displayers} \$1.00 \text{ \$1.00	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
\$\text{Displayers} \$1.00 \text{ \$1.00	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
\$\text{Displayers} \$1.00 \text{ \$1.00	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Dec	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
\$\text{Displayers} \$1.00 \text{ \$1.00	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Street	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Column	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Dec	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Dec	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Dec	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Column	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Column	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Compared Compared (Compared (Com	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				
Column	1 CL-58-2 1 4 pin L pl 1 POME-1 2 POME-1 POME-1	Ing 1X10 10X 1X8 8X1 1X8 8X1	XIF-HES 3F-HES	In				