











NTD4909NT4G	NTD4909NT4G	AC FET1, CHG FET1, DSG FET1, Q3, Q4	DPAK	NTD4909NT4G	
	NTD-909NT4G amtec Way Friction Connector Straight Single In Line				
CON Cways	Single In Line	ALIX	HDR192	CON2 - Friction	
IDC9	amtec 9Ways Male Connector Straight Friction	BAT1	HDR1X9 -Frict	CON9M_SIL_Friction	
	Fristion Capacition SMD 0805, Capacition SMD,				
	Capacitor SMD,	61, 62, 63, 64, 65, 66,		Cap Semi, Cap Semi, Cap G805, Cap G805, Cap G805, Cap G803, Cap G803, Cap G803, Cap G803, Cap G803, Cap G803, Cap G803,	
	Capacitor SMD, Capacitor SMD, Capacitor SMD, Capacitor SMD,	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C14, C18, C19, C21, C25, C26, C27, C28, C29, C30, C31, C34, C35, C36, C38, C43, C44, C64		Cap 0603, Cap 0603, Cap 0603, Cap 0603, Cap 0805, Cap 0805,	
		C29, C30, C31, C34, C35, C36, C38, C43,		Cap 0603, Cap 0603, Cap 0805, Cap 0805, Cap 0805, Cap 0603, Cap 0603, Cap 0603,	
Cap Semi 0805	Capacitor SMD	C44, C64 C12, C17, C23, C24, C39, C40, C41, C42, C45, C46, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61,	C - 0805	Cap 0805	
Cap 0805	Capacitor SMD	C58, C59, C60, C61, C62, C63	C-0805	Cap 0805	
Cap Tantalum TH	Tantalum Capacitor SMD	C13	C-TANT#C	C-TANT#C	
Wima Capacitor	Wima Capacitor Tantalum Capacitor	C15, C20	Cap - Wima 60x250x700	Cap-Wima 60x250x700	
Cap Tantalum TH		C16	C-TANT#D	C-TANT#D	
Cap Tantalum TH Cap Elect_SMD 470 uF 10x10.5 HT	SMD Electrolytic Capacitor Tantalum Capacitor	C22	470 uF 10x10.5 HT	Cap Elect_SMD 470 uF 10x10.5 HT	
Cap Tantalum TH	Tantalum Capacitor SMD Tantalum Capacitor	C32, C33, C47	C-TANT#A	C-TANT#A	
Cap Tantalum TH	SMD	C37	C-TANT#B - 10uF 10V	C-TANT 10uF / 10V #B	
CON Cways	amtec Way Friction Connector Straight Single In Line	CHRG	HDR-19/2	CON2 - Friction	
LED-SMD_0805-RED	LED 0805 Red	COL1, LED1	LED3mm-Through Hote	LED-SMD_0805-RED	
RS232F_PCB_RA	RS232 Connector Female PMT	сом1	DBVF - PCB	RS232F_PCB_RA	
RS232M_PCB_RA	RS232 ConneMale PCB Right angle	сом2	DB9M - PCB	RS232M_PCB_RA	
D Schottky BATS4HT	Schottky Diode Zener Diode	D1 D2. D3	ShottkeyTH SOD123F	D Schottky BATS4H	
MM3Z5V3C	Zener Diode	D4, D5, D6	SOD323	MM325V3	
LED-SMD_0805-GREEN GLCD_240x64	LED SMD 0805-GREEN Graphic LCD 240 x 64	FDX1, LED2, RX1, TX1 GLCD1	LED-0805 - Red GLCD - MC240064AW	LED-SMD_0805-GREEN GLCD_240x64	
SMA_Edge	SMB Edge Connector	GPS	SMA - Edge	SMA_Edge	
ICD3/Pickit3	amtec 5Way Female Connector Right Angle	ICD	HDR1XSH	CON5_RA	
Jumper INDUCTOR SMT	Jumper Wire	P1	R-0805	Jumper INDUCTOR SMT	
Colleraft Ferrire Bead-SMT 0805	INDUCTOR-100uH SMT Ferrire Bead -SMT 0805	L1 L2, L3, L4	Collcraft LP L-0805	Colleraft Ferrire Bead-SMT 0805	-
INDUCTOR- SMT_IHLP2020	Ferrire Bead -SMT 0805 INDUCTOR-100uH square	15	IHLP2020	INDUCTOR- SMT_IHLP2020	
BI-color LED	Bi-Color LED	LED3	BI-LED Smm-Through Hole	BI-color LED	
SDCARD	SD Card SDCARD 15TW 8821	Micro SD1	SDCARD-15TW-8821	SDCARD	
PB TH IRLML2502	Tictile Switch TH HEXFET Power MOSFET	PB1, PB2, PB3 Q1, Q2, Q6	PB_SWITCH_TH SOT-23	PB TH IRUML2803	
MMBT2222A	NPN Switching Transistor	Q1, Q2, Q6 Q5	SOT-23	MMBT2222A	
IRUML2502	NTD4909NT4G	Q7, Q8	DPAK	NTD4909NT4G	
Resistor - SMD 0805 Resistor - SMD 0805	Resistor - SMD 0805 Resistor - SMD 0805	R1 R2, R3, R7, R8	R-0805 - 220E R0805 - 1K	R0805- 220E R0805- 10K	
0		R4, R32, R33, R34, R39, R47, R48, R49, R55, R59	0.4007 44"	00007 400	
Resistor - SMD 0805 Resistor - SMD 0805	Resistor - SMD 0805 Resistor - SMD 0805	R5 R6 R11 R12 R13 R14	R-0805 - 10K R-0805 - 4K7	R0805- 10K R0805- 4K7 R-0603, R-0805, R- 0805, R-0805, R-0805, R-0805, R-0805, R-	
Resistor - SMD 0603	Resistor - SMD 0603	R15, R19, R21, R31	R-0805 - 10K	0805, R0805- 5M1 R- 0805, R- 0805, R0805- 100K, R0805- 100K, R0805- 2K2, R0805- 5M1, R0805- 6K8	
Resistor - SMD 0603	Resistor - SMD 0603	R28, R29	R-0603		
Resistor - SMD 0805	Resistor - SMD 0805	R16, R17, R18, R20, R38	R-0805 - 330E	R0805- 330E	
Resistor - SMD 0805 Resistor - SMD 0805	Resistor - SMD 0805 Resistor - SMD 0805	R24, R25, R56, R58, R61 R27	R-0805 - 5K6 R-0805 - 6K8	R0805- 5K6 R0805- 6K8	
Resistor - SMD 0805	Resistor - SMD 0805	R30	R-0805 - 2K2	R0805- 2K2	
Resistor - SMD 0805	Resistor - SMD 0805	R35, R36, R41, R42, R43, R44, R45, R46, R78	R-0805 - 1K	R0805- 1K	<u></u>
Resistor - SMD 0805 Resistor - SMD 0805	Resistor - SMD 0805 Resistor - SMD 0805	R37 R40, R52, R53	R-0805 - 12K R-0805 - 1M	R0805- 12K_1% R0805- 1M	
Resistor - SMD 1206	Resistor - SMD 1206	R50, R51, R70, R71	R1206	R-1206	
Resistor - SMD 0805 Resistor - SMD 0805	Resistor - SMD 0805 Resistor - SMD 0805	R54 R57	R-0805 - 100K R-0805 - 10M	R0805- 100K R0805-10M	
Resistor - SMD 0805	Resistor - SMD 0805 Resistor - SMD 0805	R60	R-2512	R2512- 10mE	
Resistor - SMD 0805 Resistor - SMD 0805	Resistor - SMD 0805 Resistor - SMD 0805	R62 R63, R65, R66, R67, R69, R72, R73, R74, R75, R76, R77, R79, R80, R81	R-0805 - 10E R-0805 - 100E	R0805- 10E R0805- 100E	
Resistor - SMD 0805	Resistor - SMD 0805	R64	R-0805 - 330K	R0805- 330K	
Resistor - SMD 0805 RM5 MagJag SI_60062	Resistor - SMD 0805	R68 RJ1	R-0805 - 22E MagJag_SI_60062	R0805- 22E RJ45 MagJag SI_60062	
	High Performance, USB, CAN and Ethernet 32-Bit Flash				
PIC32M00795F512L GNS 1301	Microcontroller GPS Module	U1	TQFP-PF100_N GNS1301	PIC32MX/XSF*L-PT GNS1301	
GNS 1301 FT232RQ	FTDI USB UART Serial	us	QFN32	GNS1301 FT232RQ	
*******	3-V to 5.5-V Multichannel RS-232 Line Driver / Receiver with ±15-kV ESD Protection, -40 to 85 degC, 16-Pin SOIC (D), Green (RoHS & no SSM) 4-Pin Phototransister				
MAX3232IDRE4	augC, 16-Pin SOIC (D), Green (RoHS & no Sh/Rri	114	TI-D16_N	MAX3232IDRE4	
HCPL-181	4-Pin Phototransistor Optocoupler	U5	PC357	HCPL181	
LT1074CT	LT1074CT	U6	LT1074_TO-220-5_H	LT1074CT- Horiz	
	Adjustable Regulator with 3.7 to 38 V Input				
LM317-SOT223	Adjustable Regulator with 3.7 to 38 V Input and 1.2 to 32 V Output, -40 to 125 degC,	U7	LM317_SOT-223	LM317-SOT223	<u></u>
74VHC132M	Schmitt Trigger	us	SO14	74VHC132M	
	Adjustable Regulator with 3.7 to 38 V Input and 1.2 to 32 V Output, -40 to 125 degC, 3-Pin TO-92 (LP), Pb-Free		TO-263 - LM1084		
LM1084 W5100	(RoHS)	U10	TO-263 - LM1084 W5100	LM1084 - DPAK W5100	
	2.4 GHz IEEE Std. 802.15.4, 20 dBm RF				
	Transceiver 12-Pin Module, Industrial Temperature	U12	MRF24J40MB	MRF24J40MB-I/RM	
MRF24J40MB-I/RM	256K, 32768x8-bit, 1.8V SPI Serial SRAM, 8-Pin				
MRF24J40MB-I/RM					
	SOIC 3.9mm, Industrial TemperatureTape and		SOIC-SN8_N	23A256T-I/SN	
	TemperatureTape and Reel 32 Mbit SPI Serial Flash,	U13			i .
23A256T-I/SN	TemperatureTape and Reel 32 Mbit SPI Serial Flash, 2.7 to 3.6 V, 80 MHz, - 40 to 85 degC, 8-pin	U13 U14	MCHP-SOIC-S2A8_N	SST25VF032B-80-4I- S2AF	
23A256T-I/SN SST25VF032B-80-4I-	TemperatureTape and Reel 32 Mbit SPI Serial Flash, 2.7 to 3.6 V, 80 MHz, - 40 to 85 degC, 8-pin	U13 U14 U15	MCHP-SOIC-S2A8_N ti-VQFN32		
23A256T-I/SN SST25WF0328-80-41- S2AF	TemperatureTape and Reel 32 Mbit SPI Serial Flash, 2.7 to 3.6 V, 80 MHz, - 40 to 85 degC, 8-pin	U14	SI-VOFN32 Mini-JISR Series R	S2AF	
23A256T-USN SST25VF0328-80-41- 52AF BQ40260 Mini-USB	Tomperature Tape and Rebail 32 Mbit SPI Serial Flash, 2.7 to 3.6 V, 80 MHz, 2.7 to 3.6 V, 80 MHz, 40 to 85 degc, 8-pin SOIC (S2AB), Tube Programmable Battery Pack Manager Mini USB - Type B S pins Miniature Tuning Fork	U14 U15 USB1	BI-VOFN32 Mini-USB Series B XTAL_MINIATURE_C26_X TAL_MINIATURE_C26_Pri	S2AF BO 40260 Mini-USB	
23A256T-I/SN SST25WF032B-80-4I- S2AF BQ40260	Temperature Tape and Rebail SPI Serial Flash, 2.7 to 3.6 V, 80 MHz, -40 to 85 degC, 8-pin SOVC (5246), Tube Programmable Sattery Pack Manager Mini USB - Type B 5 pins	U14 U15	SI-VOFN32 Mini-JISR Series R	S2AF BO 40Z60	