

Lit#: TIDR485 - Bill of Materials

Digikey #	Description	Qty	Ref Des
1N4007FSCT-ND	DIODE GEN PURPOSE 1000V 1A DO41	3	D18, D20, D22
1N4757ADICT-ND	Diode Zener 51V 1W 1N4757A D0-41	3	D17, D19, D21
24LC02B-I/SN-ND	IC EEPROM 2KBIT 400KHZ 8SOIC	1	101
568-6094-1-ND	TRANSISTOR PNP 45V 100MA SOT23	2	Q1, Q2
495-2320-ND	CAP poly 0.22uF 305VAC/630VDC X2 10% (B32922C3224M)	3	C39, C46, C50
311-1059-1-ND	CAP CER 12PF 50V 5% NPO 0603	2	C37, C40
311-1343-1-ND	CAP CER 12F1 30V 3/8 NFO 0003	9	C18, C41, C42, C47, C52, C53, C54, C57, C59
311-1428-1-ND	CAP CER 0.47UF 16V 10% X7R 0603	1	C33
311-1455-1-ND	CAP CER 4.7UF 10V 10% XFR 0603	8	C4, C6, C14, C16, C29, C32, C49, C51
399-6841-1-ND		1	
445-5100-1-ND	CAP Ceramic 100pF 25V NPO, 5% 0603		C61
445-5100-1-ND 490-6433-1-ND	CAP CER 10000PF 25V 10% X7R 0603	1	C45 C60
	CAP Ceramic .056uF 25V X7R 10% 0603	1 -	
311-1343-1-ND	CAP CER 0.1UF 50V Y5V 0603	7	C5, C7, C15, C17, C28, C30, C31
311-1143-1-ND	CAP CER 0.015UF 50V 10% X7R 0805	3	C10, C13, C23
311-1484-1-ND	CAP CER 47PF 500V 5% NPO 0805	6	C2, C3, C11, C12, C19, C20
311-1361-1-ND	CAP CER 0.1UF 50V Y5V 0805	3	C1, C9, C38
311-1355-1-ND	CAP CER 10UF 10V Y5V 0805	3	C8, C36, C43
445-4497-2-ND	CAP Ceramic 2.2uF 100V X7R 1210	1	C48
587-1383-1-ND	CAP Ceramic 47uF 10V X5R 1210	1	C62
300-8341-1-ND	CRYSTAL 32.768 KHZ 6PF SMD	1	XT1
P14374-ND	CAP ALUM 150UF 10V 20% RADIAL	1	C101
1189-1020-ND	CAP Electrolytic 100uF 100V 20%, 10mm(diameter) x 25 mm(height), ZL Rubycon, 5 mm spacing	1	C102
399-3685-1-ND	CAP TANT 10UF 6.3V 20% 1206	3	C55, C56, C58
399-6097-ND	CAP ALUM 4.7UF 400V 20% RADIAL	1	C100
102-1801-ND	Isolated Power Supply, 3.3 V, 700 mA	1	U\$1
SMAJ5.0ABCT-ND	DIODE TVS 5.0V 400W UNI 5% SMD	1	ZD3
1N4148XTPMSCT-ND	DIODE SWITCHING 75V 0.15A SOD523	6	D44, D45, D46, D47, D48, D49
LLSD103ADICT-ND	DIODE SCHOTTKY 40v 350MW MINIMELF	4	D24, D25, D26, D27
P10191CT-ND	BEAD CORE 4A 100 MHZ 0805 SMD	4	L1, L3, L5, L6
A32036-ND	CONN D-SUB RCPT STR 9POS 30GOLD	1	RS1
3M9447-ND	CONN HEADER VERT SGL 2POS GOLD	9	ACT, JP2, JP11, JP12, JP13, JP14, REACT, RX EN, TX EN
3M9448-ND	CONN HEADER VERT SGL 3POS GOLD	10	JP1, JP3, JP4, JP5, JP6, JP7, JP8, JP9, JP10, JP15
609-3201-ND	CONN HEADER 4POS .100 STR 30AU	1	1916 1916
3M9459-ND	CONN HEADER VERT DUAL 6POS GOLD	1	JP17
511-1249-ND	LED 3.1MM 650NM RED TRANSPARENT	1	LED ACT
511-1245-ND 511-1251-ND	LED 3.1MIM 505NM YELLOW TRANSP	3	LED PHASE 1, LED PHASE 2, LED PHASE 3
511-1251-ND 511-1247-ND	LED 3.1MM 563NM GREEN TRANSP	1	LED_FNASE_1, LED_FNASE_3 LED_FNASE_1, LED_FNASE_3
Must order from CoilCraft (MSS1038-105)	Inductor, SMT, MSS1038-105 (.402 x .394 inch)	1	L7
3M9447-ND	CONN HEADER VERT SGL 2POS GOLD	1	L/ HD1
3M9449-ND		2	
	CONN HEADER VERT SGL 4POS GOLD	1	DGND, DVCC
MHC14K-ND	CONN HEADER 14 POS STRGHT GOLD		JTAG
TI will provide	MSP430F67641PZR	1	U4
P8079SCT-ND	SWITCH TACTILE SPST-NO 0.02A 15V	3	BTN1, BTN2, RESET
568-1749-1-ND	DIODE SW GPP 75V 200MA SOD80C	25	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D28, D29, D30, D31, D32, D33, D34, D35, D37
PS8802-1-F3-AXCT-ND	OPTOISOLATOR ANALOG HS OUT 8SSOP	2	U1, U2
A102234CT-ND	RES 1M OHM 1/16W 1% 0603	2	R35, R38
A102241CT-ND	RES 22.1K OHM 1/16W 1% 0603	1	R95
A102261DKR-ND	RES 31.6K OHM 1/16W 1% 0603	1	R97
A102292TR-ND	RES 51.1 OHM 1/16W 1% 0603	1	R96
RMCF0603FT68R0CT-ND	RES TF 68 OHM 1% 0.1W 0603	1	R65
RMCF0603JT100RCT-ND	RES 100 OHM 1/10W 5% 0603 SMD	5	R20, R21, R22, R57, R58
RMCF0603JT1K00CT-ND	RES 1K OHM 1/10W 5% 0603 SMD	4	R62, R68, R72, R78
RMCF0603JT1K50CT-ND	RES 1.5K OHM 1/10W 5% 0603 SMD	1	R67
RMCF0603JT220RCT-ND	RES 220 OHM 1/10W 5% 0603 SMD	1	R64
RMCF0603JT2K20CT-ND	RES 2.2K OHM 1/10W 5% 0603 SMD	2	R69, R71



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RMCF0603JT330RCT-ND	RES 330 OHM 1/10W 5% 0603 SMD	1	R48
RMCF0603JT47K0CT-ND	RES 47K OHM 1/10W 5% 0603 SMD	1	R51
RMCF0603JT47R0CT-ND	RES 47 OHM 1/10W 5% 0603 SMD	1	R47
RMCF0603ZT0R00CT-ND	RES 0.0 OHM 1/10W 0603 SMD	18	R73, R74, R75, R76, R77, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91
RNCF0603BTE33K2	RES 33.2K OHM 1/16W .1% 0603	1	R37
RMCF0805JT100KCT-ND	RES 100K OHM 1/8W 5% 0805 SMD	2	R49, R50
RMCF0805JT10K0CT-ND	RES 10K OHM 1/8W 5% 0805 SMD	5	R19, R40, R41, R63, R98
445-2554-1-ND	THERMISTOR NTC 10K OHM 1% 0603	1	RTH
DNI	DNI	4	R44, R45, R66, R70
A110360CT-ND	RES 12.4 OHM 1/10W 0.1% 0805 SMD	3	R5, R8, R24
CRT0805-BY-10R0ELFCT-ND	RES 10 OHM 1/8W 0.1% 0805 SMD	3	R117, R123, R127
RMCF0805JT10R0CT-ND	RES 10 OHM 1/8W 5% 0805 SMD	1	R36
MCU0805-1.00K-MDCT-ND	RES 1.0K OHM 1/16W 0.1% 0805 SMD	9	R6, R7, R9, R10, R26, R27, R116, R120, R124
RMCF0805ZT0R00CT-ND	RES 0.0 OHM 1/8W 0805 SMD	19	R/L1, R/L2, R/L3, R/L4, R/L9, R/L10, R32 , R39
P1MDACT-ND	RES 1M OHM 1/8W 0.1% 0805	9	R4, R14, R15, R102, R103, R104, R32, R109, R110, R111, R99, R100, R101, R105, R106, R107, R108, R112, R113, R114, R115
P20KDACT-ND	RES 20K OHM 1/8W 0.1% 0805	3	R118, R121 R125
P10KDACT-ND	RES 10K OHM 1/8W 0.1% 0805	3	R119 R122 R126
P100W-2BK-ND	RES 100 OHM 2W 5% AXIAL	3	R92, R93, R94
495-1417-ND	VARISTOR 275V RMS 20MM RADIAL	3	R1, R2, R3
SMAJ5.0CABCT-ND	DIODE TVS 5.0V 400W BI 5% SMD	3	TVS1, TVS2, TVS3
P14155-ND	CAP SUPER 1F 3.6V AXIAL	1	C63
751-1068-1-ND	TXRX IRDA 115.2KBIT 1.9MM 6-SMD	1	IRDA
TFM-110-02-SM-D-A-K	CONN HEADER 20POS 1.27MM GLD SMD	2	RF1, RF2
DNI	DNI	1	LCD1
PS2501-1A-ND	OPTOCOUPLER 1CH TRANS 4-DIP	2	OPTO1, OPTO2
296-30339-5-ND	IC REG BUCK ADJ 0.5A 10MSOP	1	U3
641-1107-1-ND	Diode Schottky 1A 60V B160 SMB	1	D23

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