

Piksi Multi Evaluation Board BOM

MFG	MPN	Designator	Quantity	Description	Comment
		C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C19, C20, C21, C22, C23, C25, C26, C27, C28, C29, C31, C32, C33, C34, C35, C48, C49, C50, C54	36	CAP, CER 0.1UF 10% 6.3V X5R, 0201, T/R	
AVX	02016D104KAT2A				
Murata	GRM188R60J475KE19D	C18	1	CAP CER 4.7UF 10% 6.3V X5R 0603 T/R	
Taiyo Yuden	JMK105BJ474KV-F	C24	1	CAP CER 0.47UF 10% 6.3V X5R 0402	
Murata	GRM21BC81A106KE18	C30	1	CAP CER 10UF 10% 10V X6S 0805	
Murata	GRM155R61A104KA01D	C36, C47	2	CAP CER 0.1UF 10% 10V X5R 0402 T/R	
Murata	GRM31CR71H475KA12L	C37, C38, C51	3	CAP CER 4.7UF 10% 50V X7R 1206 T/R	
Murata	GRM188R71E104KA01D	C39	1	CAP CER 0.1UF 10% 25V X7R 0603 T/R	
Murata	GRM31CR61A226KE19L	C40	1	CAP CER 22UF 10% 10V X5R 1206 T/R	
Murata	GRM31CR61A476KE15L	C41	1	CAP CER 47UF 10% 10V X5R 1206 T/R	
Murata	DMT3N4R2U224M3DTA0	C42	1	SUPERCAP 220mF 20% 4.2V SMD Tray	
Murata	GRM32ER61A476KE20L	C43, C52	2	CAP CER 47UF 10% 10V X5R 1210 T/R	
Murata	GRM2195C1H512JA01D	C44	1	CAP CER 5100PF 5% 50V NPO 0805 T/R	
Murata	GRM1555C1H3R9CA01D	C45	1	CAP CER 3.9PF 50V NPO 0402 +/- 0.25pF	
Kemet	C0805C180K5GACTU	C53	1	CAP CER 18pF 10% 50V NPO 0805 T/R	
Murata	GRM155R61A273KA01D	C55	1	CAP CER 0.027UF 10% 10V X5R 0402 T/R	
Broadcom Limited	HSMA-C170	D1, D2, D5, D6	4	LED, Amber 90mcd 1.9V, 0805, T/R	
Broadcom Limited	HSMM-C170	D3, D4, D7, D8	4	LED, Green 120mcd 3.3V, 0805, T/R	
Broadcom Limited	HSMR-C150	D9, D10	2	LED BLUE DIFFUSED 1206 SMD	
NXP	PESD1CAN.215	D11, D13	2	DIODE, TVS Diode, CAN, SOT-23-3, T/R	
ST Micro	ESDA14V2BP6	D12, D14, D15, D20	4	TVS DIODE 12VWM SOT666	
Diodes Inc	B560C-13-F	D16, D21	2	DIODE SCHOTTKY 60V 5A SMC	
Broadcom Limited	HSMM-C190	D17	1	LED GREEN DIFFUSED 0603 SMD	
Panasonic	DZ2S082M0L	D18	1	DIODE ZENER 8.2V 150MW SSMINI2	
Diodes Inc	S5BC-13-F	D19	1	DIODE GEN PURP 100V 5A SMC	
Bel Fuse	OZCH0075FF2G	F1	1	FUSE, PTC 0.75A Hold 1.5A trip 8V 1210 T/R	
Norcomp	182-009-113R531	J1, J2	2	CONN D-SUB PLUG 9POS R/A SOLDER	
Norcomp	182-009-213R531	J3, J4	2	CONN, DSUB 9-pin RECEPTACLE, tray	
Würth Electronics	694106301002	J5	1	CONN PWR JACK DC RA TH 2.1mm ID 5.5mm OD Tray	
FCI	61083-062400L	J6, J7	2	CONN HEADER 60POS .8MM DUAL SMD TRAY	
Molex	475900001	J8	1	CONN RCPT MICRO USB AB R/A SMD	
Molex	73251-1150	J9, J10	2	CONN, SMA Right Angle female 50-Ohm, Tray	
Molex	502570-0893	J11	1	Conn Micro SD Card SKT 8 POS 1.1mm Solder RA SMD 0.5A/Contact	
Murata	BLM21PG2215N1D	L1, L2	2	FERRITE BEAD 220 OHM 0805 1LN	
Bourns	SRN8040-2R2Y	L3	1	IND 2.2UH 6.3A 13 MOHM SMD T/R	
Coilcraft	XAL6060-103MEB	L4	1	IND 10uH 7A 30MOHM SMD T/R	
Bourns	SRR1208-150ML	L5	1	IND 15uH 36mOhm 4A SMD T/R	
3M	961102-6404-AR	P1, P2, P12, P30	4	CONN HEADER VERT SGL 2POS GOLD	
Samtec	TLE-110-01-G-DV	P3	1	Conn Socket Strip SKT 20 POS 2mm Solder ST SMD T/R	
Harwin Inc.	M20-9990246	P4	1	CONN, 2pin 0.100" Through Hole, Tray	
Harwin Inc.	M20-9960245	P5	1	CONN, 2pin 0.100" Through Hole Right Angle, Tray	DNP
Molex	676430910	P6	1	CONN, USB Type A edge mount, tray	
		P7	1	Header, 6-Pin, Dual row	DNP
Molex	53261-0771	P37, P38	2	Conn, 7pos 1.25mm picoblade, SMD, Tray	
Amphenol	67996-420HLF	P53	1	CONN HEADER 20POS .100 STR TIN	
Molex	53261-1171	P54	1	CONN HEADER 11POS PICOBLADE 1.25MM R/A SMD	
Samtec	FTSH-105-01-F-D-K	P55	1	CONN HEADER 10POS DUAL VERT	
Bourns	7914J-1-000E	PB1, PB2	2	SWITCH TACTILE SPST-NO 0.1A 16V	
Stackpole Electronics	RMCF0201FT240R	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R15, R16	12	RES SMD 240 OHM 1% 1/20W 0201	
Stackpole Electronics	RMCF0201JT10K0	R11, R12, R33	3	RES SMD 10K OHM 5% 1/20W 0201	
Stackpole Electronics	RMCF0402JT120R	R13, R14	2	RES SMD 120 OHM 5% 1/16W 0402	
Stackpole Electronics	RMCF0603FT4K99	R17, R19, R34, R35, R36	5	RES SMD 4.99K OHM 1% 1/10W 0603	
Stackpole Electronics	RMCF0603ZTOR00	R18	1	RES SMD 0.0OHM JUMPER 1/10W 0603	
Panasonic	ERJ-1GEF40R2C	R20	1	RES SMD 40.2 OHM 1% 1/20W 0201	
Stackpole Electronics	CSR1206FTR100	R21	1	RES, 0.1 1% 1/2W, 1206, T/R	
Panasonic	ERJ-6ENF3322V	R22	1	RES SMD 33.2K OHM 1% 1/8W 0805	
Panasonic	ERJ-6ENF7152V	R23	1	RES SMD 71.5K OHM 1% 1/8W 0805	
Stackpole Electronics	RMCF0402JT470R	R24	1	RES SMD 470 OHM 5% 1/16W 0402	
Panasonic	ERJ-6ENF1002V	R25	1	RES SMD 10K OHM 1% 1/8W 0805	
Panasonic	ERJ-6ENF2322V	R26	1	RES SMD 23.2K OHM 1% 1/8W 0805	
Panasonic	ERJ-6ENF1102V	R27	1	RES SMD 11K OHM 1% 1/8W 0805	
Panasonic	ERJ-6ENF1693V	R28	1	RES SMD 169K OHM 1% 1/8W 0805	
Vishay	CRCW040260K4FKED	R29	1	RES SMD 60.4k OHM 1% 1/16W 0402	
Vishay-Dale	CRCW04028K45FKED	R30	1	RES SMD 8.45k OHM 1% 1/16W 0402	
Vishay	CRCW040211K5FKED	R31	1	RES SMD 11.5k OHM 1% 1/16W 0402	
Vishay	CRCW0402232KFKED	R32	1	RES SMD 232k OHM 1% 1/16W 0402	
Stackpole Electronics	RMCF0603FT4M99	R37, R38	2	RES, 4.99M 1% 1/10W, 0603, T/R	
Maxim	MAX3232ECPW	U1, U2	2	IC RS232 3V-5.5V DRVR 16-TSSOP	
TOSHIBA	TC7P217FU,LI/CT	U3, U14, U15, U16, U18	5	IC, Dual Buffer, 1.65-5.5V, 6-TSSOP, T/R	
NXP	74CBTLV3257PW,118	U4, U5	2	IC MUX/DEMUX DUAL 10F4 DHVQFN16	
Texas Instruments	SN65HVD233D	U6, U7	2	IC CAN TRANSCEIVER 3.3V 8-SOIC	
Marvell	88E1512-XX-NNP2I000	U8	1	IC ETHERNET TRANSCEIVER 3.3V 56-QFN	
Bel Fuse	0826-1X1T-43-F	U9	1	CONN MAGJACK 1PORT 1000 BASE-T	
Microchip	DSC1001DI1-025.0000	U10	1	OSC MEMS 25.000MHZ 50ppm CMOS SMD	

Texas Instruments	TPS54340DDAR	U11	1	IC REG BUCK ADJ 3.5A 8SOPWRPAD	
Texas Instruments	TPS56320DDDCR	U12	1	IC REG BUCK ADJ 3A SYNC 6SOT	
Texas Instruments	TPS22912CZVR	U13	1	IC Load Switch 2A 4DSBGA T/R	
ST Microelectronics	M24C32-WMN6TP	U17	1	IC, 32Kbit EEPROM 2.5~5.5V, SO8, T/R	
Texas Instruments	TPS54540DDAR	U19	1	IC BUCK Regulator 4.8-42V 5A, SMD	