

(190A23742-06) PCB-BLX1 BODYPACK

Part Type	Qty	Designators	Description	Mfr	#Mfr	Substitutions
134-23743_02	1	PCB1	Raw Board			
183A66	4	Q501 Q502 Q600 Q601	TRANSISTOR,HIGH FREQ,3 PIN MINI MOLD,NPN	California Eastern Labs (Renesas)	NE85619-A	Approval Required
53A8589A	1	SHLD501	FENCE,SHIELD,TIN PLATED,0.22IN	CUSTOM - SEE SHURE DRAWING	53A8589A	NONE PERMITTED
150NE338BA	2	C523 C528	CAPACITOR,SMD 603,3.3pF,200V,.1pf	AVX	06032U3R3BAT	See AVL
150NE398BA	2	C525 C534	CAPACITOR,SMD 603,3.9pF,200V,.1pf	AVX	06032U3R9BAT	See AVL
150NE688BA	1	C522	CAPACITOR,SMD 603,6.8pF,200V,.1pf	AVX	06032U6R8BAT	See AVL
150QC331JB	4	C181 C539 C540 C541	CAPACITOR,SMD 402,330pF,50V,5%	Murata Manufacturing Co Ltd	GRM155R71H331JA01	See AVL
162A46	4	E100 E408 E500 E501	BEAD,FERRITE,SMD 603,600 OHM	Murata Manufacturing Co Ltd	BLM18AG601SN1	Approval Required
162AC56	2	L501 L503	INDUCTOR,SMD 603,100nH	Toko Inc	LL1608-FSLR10J	Approval Required
162AE56	2	L600 L601	INDUCTOR,SMD 603,150nH	Toko Inc	LL1608-FSLR15J	Approval Required
162AF56	1	L603	INDUCTOR,SMD 603,180nH	Toko Inc	LL1608-FSLR18J	Approval Required
162L56	1	L602	INDUCTOR,SMD 603,8.2nH	Toko Inc	LL1608-FSL8N2J	Approval Required
162M56	1	L611	INDUCTOR,SMD 603,10nH	Toko Inc	LL1608-FSL10NJ	Approval Required
162N56	1	L607	INDUCTOR,SMD 603,12nH	Toko Inc	LL1608-FSL12NJ	Approval Required
162P56	1	L502	INDUCTOR,SMD 603,15nH	Toko Inc	LL1608-FSL15NJ	Approval Required
162S56	3	L604 L605 L606	INDUCTOR,SMD 603,22nH	Toko Inc	LL1608-FSL22NJ	Approval Required
184A39	1	D5322	LED,BICOLOR,RED/GREEN,597-7701-507	Dialight Corporation	5977701507F	NONE PERMITTED
184A69	1	D410	DIODE,SCHOTTKY,DUAL,SOT-23	Fairchild Semiconductor Corp	BAT545 (OBSOLETE)	See AVL
184A72	1	D500	DIODE,CAPACITANCE,VARIABLE,SC79-2	Infineon Technologies	BB565-02VH_X	Approval Required
40B8010	1	Y347	CRYSTAL,32.768KHz,10ppm	ECS Inc International	ECS-327-12.5-8X-C	Approval Required
46N8014	1	TR120	POTENTIOMETER,TRIM,A LOG TAPER,5K	Piher Corp	PT10MV13-502C2020-PM-S	Approval Required
55A16446	1	SW400	SWITCH,TOGGLE,SPDT,RIGHT ANG	Dailywell Electronics Co Ltd	2US1T1A1M6RE	Approval Required
56A8107	1	CON91	CONNECTOR,HEADER,.430 LONG,3 PIN	Samtec Inc	MTMM-103-11-G-S-430	Approval Required
95A8932	1	CON90	RECEPTACLE,4-PIN	King Net-New Tide Enterprise Co Ltd	95A8932 (RoHS)	NONE PERMITTED
95A9033	1	CON1	CONNECTOR,SOCKET STRIP,.100" PITCH,2 PIN	Samtec Inc	SSW-101-02-G-D-RA	Approval Required
145FF22R1	1	R606	RESISTOR,SMD 603,22.1,1/10W,1%	NIC Components	NRC06F22R1F	See AVL
145FF49R9	3	R350 R500 R605	RESISTOR,SMD 603,49.9,1/10W,1%	NIC Components	NRC06F49R9F	See AVL
145FF2000	3	R321 R322 R323	RESISTOR,SMD 603,200,1/10W,1%	NIC Components	NRC06F2000F	See AVL
145FJ000	1	R499	RESISTOR,SMD 603,000,1/10W,5%	Vishay-BCC	CRCW06030000Z	See AVL
145FJ305	1	R185	RESISTOR,SMD 603,3M,1/10W,5%	NIC Components	NRC06J305F	See AVL
145HF10R0	1	R653	RESISTOR,SMD 402,10,1/16W,1%	Vishay-BCC	CRCW040210R0F	See AVL
145HF18R2	1	R503	RESISTOR,SMD 402,18.2,1/16W,1%	NIC Components	NRC04F18R2F	See AVL
145HF22R1	1	R520	RESISTOR,SMD 402,22.1,1/16W,1%	NIC Components	NRC04F22R1F	See AVL
145HF33R2	2	R602 R613	RESISTOR,SMD 402,33.2,1/16W,1%	NIC Components	NRC04F33R2F	See AVL
145HF39R2	1	R651	RESISTOR,SMD 402,39.2,1/16W,1%	NIC Components	NRC04F39R2F	See AVL
145HF49R9	7	R302 R303 R304 R305 R306 R307 R308	RESISTOR,SMD 402,49.9,1/16W,1%	NIC Components	NRC04F49R9F	See AVL
145HF1000	6	R180 R309 R310 R312 R325 R343	RESISTOR,SMD 402,100,1/16W,1%	Vishay-BCC	CRCW0402100RF	See AVL
145HF1001	10	R93 R100 R119 R131 R513 R539 R540 R541 R603 R604	RESISTOR,SMD 402,1K,1/16W,1%	Vishay-BCC	CRCW04021K00F	See AVL
145HF1002	8	R147 R166 R186 R508 R517 R630 R631 R632	RESISTOR,SMD 402,10K,1/16W,1%	Vishay-BCC	CRCW040210K0F	See AVL
145HF1003	11	R94 R128 R181 R182 R183 R184 R190 R205 R480 R481 R511	RESISTOR,SMD 402,100K,1/16W,1%	Vishay-BCC	CRCW0402100KF	See AVL
145HF1004	9	R130 R188 R204 R400 R404 R407 R475 R476 R479	RESISTOR,SMD 402,1M,1/16W,1%	Vishay-BCC	CRCW04021M00F	See AVL
145HF1502	1	R187	RESISTOR,SMD 402,15K,1/16W,1%	NIC Components	NRC04F1502F	See AVL
145HF1503	3	R171 R174 R203	RESISTOR,SMD 402,150K,1/16W,1%	Vishay-BCC	CRCW0402150KF	See AVL
145HF2000	1	R505	RESISTOR,SMD 402,200,1/16W,1%	NIC Components	NRC04F2000F	See AVL
145HF2001	4	R99 R168 R175 R191	RESISTOR,SMD 402,2K,1/16W,1%	Vishay-BCC	CRCW04022K00F	See AVL

(190A23742-06) PCB-BLX1 BODYPACK

Part Type	Qty	Designators	Description	Mfr	#Mfr	Substitutions
145HF2002	1	R189	RESISTOR,SMD 402,20K,1/16W,1%	Vishay-BCC	CRCW040220K0F	See AVL
145HF2003	2	R170 R173	RESISTOR,SMD 402,200K,1/16W,1%	Vishay-BCC	CRCW0402200KF	See AVL
145HF2210	6	R516 R519 R612 R614 R650 R652	RESISTOR,SMD 402,221,1/16W,1%	NIC Components	NRC04F2210F	See AVL
145HF2212	1	R405	RESISTOR,SMD 402,22.1K,1/16W,1%	Vishay-BCC	CRCW040222K1F	See AVL
145HF2492	1	R162	RESISTOR,SMD 402,24.9K,1/16W,1%	Vishay-BCC	CRCW040224K9F	See AVL
145HF2740	1	R121	RESISTOR,SMD 402,274,1/16W,1%	NIC Components	NRC04F2740F	See AVL
145HF3010	2	R504 R514	RESISTOR,SMD 402,301,1/16W,1%	NIC Components	NRC04F3010F	See AVL
145HF3011	2	R531 R600	RESISTOR,SMD 402,3.01K,1/16W,1%	Vishay-BCC	CRCW04023K01F	See AVL
145HF3012	3	R201 R327 R510	RESISTOR,SMD 402,30.1K,1/16W,1%	Vishay-BCC	CRCW040230K1F	See AVL
145HF3013	2	R90 R406	RESISTOR,SMD 402,301K,1/16W,1%	Vishay-BCC	CRCW0402301KF	See AVL
145HF3482	1	R161	RESISTOR,SMD 402,34.8K,1/16W,1%	NIC Components	NRC04F3482F	See AVL
145HF3651	1	R601	RESISTOR,SMD 402,3.65K,1/16W,1%	NIC Components	NRC04F3651F	See AVL
145HF4021	2	R141 R172	RESISTOR,SMD 402,4.02K,1/16W,1%	NIC Components	NRC04F4021F	See AVL
145HF4022	3	R140 R163 R202	RESISTOR,SMD 402,40.2K,1/16W,1%	NIC Components	NRC04F4022F	See AVL
145HF4321	1	R515	RESISTOR,SMD 402,4.32K,1/16W,1%	NIC Components	NRC04F4321F	See AVL
145HF4322	2	R192 R193	RESISTOR,SMD 402,43.2K,1/16W,1%	NIC Components	NRC04F4322F	See AVL
145HF4872	1	R167	RESISTOR,SMD 402,48.7K,1/16W,1%	NIC Components	NRC04F4872F	See AVL
145HF4990	2	R91 R92	RESISTOR,SMD 402,499,1/16W,1%	Vishay-BCC	CRCW0402499RF	See AVL
145HF4991	1	R301	RESISTOR,SMD 402,4.99K,1/16W,1%	Vishay-BCC	CRCW04024K99F	See AVL
145HF6042	4	R145 R199 R200 R328	RESISTOR,SMD 402,60.4K,1/16W,1%	NIC Components	NRC04F6042F	See AVL
145HF7502	2	R146 R148	RESISTOR,SMD 402,75K,1/16W,1%	Vishay-BCC	CRCW040275K0F	See AVL
145HF8251	2	R502 R506	RESISTOR,SMD 402,8.25K,1/16W,1%	NIC Components	NRC04F8251F	See AVL
145HF9092	1	R159	RESISTOR,SMD 402,90.9K,1/16W,1%	NIC Components	NRC04F9092F	See AVL
145HJ000	5	R160 R314 R316 R326 R348	RESISTOR,SMD 402,000,1/16W,5%	Vishay-BCC	CRCW04020000Z	See AVL
146A15985	1	TR201	POTENTIOMETER,TRIMMER,METAL-GLAZE THIN,LINEAR,220K	Noble USA	TMC2K2J-0B220K	Approval Required
146D15985	2	TR160 TR200	POTENTIOMETER,TRIMMER,METAL-GLAZE THIN,LINEAR,47K	Noble USA	TMC2K2J-0B47K	Approval Required
150DF224KB	2	C514 C532	CAPACITOR,SMD 805,.22uF,16V,10%	AVX	0805YC224KAT	See AVL
150DG475ZF	13	C122 C140 C161 C163 C317 C321 C350 C402 C404 C411 C432 C509 C550	CAPACITOR,SMD 805,4.7uF,10V,+80-20%	AVX	0805ZG475ZAT	See AVL
150GB100JA	1	C520	CAPACITOR,SMD 603,10pF,100V,5%	AVX	06031A100JAT	See AVL
150GC104KB	8	C475 C503 C519 C521 C544 C545 C546 C552	CAPACITOR,SMD 603,.1uF,16V,10%	AVX	0603YC104KAT	See AVL
150QA103KB	12	C141 C191 C302 C303 C304 C305 C306 C307 C308 C310 C311 C312	CAPACITOR,SMD 402,.01uF,16V,10%	AVX	0402YC103KAT	See AVL
150QA473KB	1	C186	CAPACITOR,SMD 402,.047uF,16V,10%	AVX	0402YC473KAT	See AVL
150QC100JA	1	C405	CAPACITOR,SMD 402,10pF,50V,5%	AVX	04025A100JAT	See AVL
150QC101JA	9	C99 C120 C146 C150 C300 C400 C483 C524 C538	CAPACITOR,SMD 402,100pF,50V,5%	Murata Manufacturing Co Ltd	GRM1555C1H101JA01	See AVL
150QC102JB	9	C101 C182 C187 C401 C501 C505 C516 C518 C630	CAPACITOR,SMD 402,.001uF,50V,5%	AVX	04025C102JAT	See AVL
150QC120JA	3	C543 C611 C618	CAPACITOR,SMD 402,12pF,50V,5%	Murata Manufacturing Co Ltd	GRM1555C1H120JA01	See AVL
150QC121JA	2	C123 C184	CAPACITOR,SMD 402,120pF,50V,5%	Murata Manufacturing Co Ltd	GRM1555C1H121JA01	See AVL
150QC151JA	2	C204 C506	CAPACITOR,SMD 402,150pF,50V,5%	AVX	04025A151JAT	See AVL
150QC158CA	1	C530	CAPACITOR,SMD 402,1.5pF,50V,.25pf	AVX	04025A1R5CAT	See AVL
150QC200JA	1	C612	CAPACITOR,SMD 402,20pF,50V,5%	AVX	04025A200JAT	See AVL
150QC221JA	1	C131	CAPACITOR,SMD 402,220pF,50V,5%	Murata Manufacturing Co Ltd	GRM1555C1H221JA01	See AVL
150QC222JB	1	C515	CAPACITOR,SMD 402,.0022uF,50V,5%	AVX	04025C222JAT	See AVL
150QC270JA	5	C1 C91 C92 C119 C203	CAPACITOR,SMD 402,27pF,50V,5%	Murata Manufacturing Co Ltd	GRM1555C1H270JA01	See AVL
150QC332JB	1	C547	CAPACITOR,SMD 402,.0033uF,50V,5%	AVX	04025C332JAT	See AVL

(190A23742-06) PCB-BLX1 BODYPACK

Part Type	Qty	Designators	Description	Mfr	#Mfr	Substitutions
150QC471JB	5	C185 C504 C600 C607 C621	CAPACITOR,SMD 402,470pF,50V,5%	Murata Manufacturing Co Ltd	GRM155R71H471JA01	See AVL
150QC478CA	1	C183	CAPACITOR,SMD 402,4.7pF,50V,.25pf	AVX	04025A4R7CAT	See AVL
150QC680JA	15	C144 C511 C513 C526 C527 C535 C601 C603 C606 C608 C614 C619 C622 C625 C650	CAPACITOR,SMD 402,68pF,50V,5%	Murata Manufacturing Co Ltd	GRM1555C1H680JA01	See AVL
150QC681JB	1	C145	CAPACITOR,SMD 402,680pF,50V,5%	Murata Manufacturing Co Ltd	GRM155R71H681JA01	See AVL
150QC688CA	1	C617	CAPACITOR,SMD 402,6.8pF,50V,.25pf	AVX	04025A6R8CAT	See AVL
150QC828CA	2	C551 C616	CAPACITOR,SMD 402,8.2pF,50V,.25pf	AVX	04025A8R2CAT	See AVL
150QD104KC	16	C117 C128 C160 C180 C188 C200 C201 C301 C318 C325 C327 C333 C344 C433 C481 C482	CAPACITOR,SMD 402,.1uF,10V,10%	Murata Manufacturing Co Ltd	GRM155R61A104KA01	See AVL
150QE474KC	1	C198	CAPACITOR,SMD 402,.47uF,6.3V,10%	Murata Manufacturing Co Ltd	GRM155R60J474KE19	See AVL
150XC106KA	1	C118	CAPACITOR,X5R,SMD 805,10uF,16V,10%	Taiyo Yuden Co Ltd	EMK212BJ106KG	See AVL
150ZC105KA	3	C121 C410 C412	CAPACITOR,X5R,SMD 603,1uF,16V,10%	AVX	0603YD105KAT	See AVL
151AB107KB	2	C548 C549	CAPACITOR,TANTALUM,SMD1411,100uF,6.3V,10%	AVX	TAJB107K006NJ	See AVL
151AC475MF	1	C93	CAPACITOR,TANTALUM,SMD0805,4.7uF,10V,20%	NIC Components	NTC-T475M10PF	See AVL
151AD105KA	1	C100	CAPACITOR,TANTALUM,SMD1206,1uF,16V,10%	NIC Components	NTC-T105K16AF	See AVL
151AD106KB	1	C162	CAPACITOR,TANTALUM,SMD1411,10uF,16V,10%	NIC Components	NTC-T106K16BF	See AVL
151AD226KC	1	C533	CAPACITOR,TANTALUM,SMD2412,22uF,16V,10%	NIC Components	NTC-T226K16CF	See AVL
151AD475KB	1	C403	CAPACITOR,TANTALUM,SMD1411,4.7uF,16V,10%	NIC Components	NTC-T475K16BF	See AVL
151AG104KA	1	C531	CAPACITOR,TANTALUM,SMD1206,.1uF,35V,10%	NIC Components	NTC-T104K35AF	See AVL
152A04	1	CV500	CAPACITOR,TRIM,SMD,.65-2.5pF	Murata Manufacturing Co Ltd	TZV2Z2R5A110	Approval Required
155B11552	2	SW310 SW311	SWITCH,TACTILE,SPST,MICROMINIATURE,3N	C&K (ITT Industries/Cannon)	KMR231G-LFS	Approval Required
162A64	1	L404	INDUCTOR,SMD2518,4.7uH	Taiyo Yuden Co Ltd	LBC2518_4R7M	Approval Required
162A76	2	L400 L401	INDUCTOR,SMD0805,LOW Rdc,220nH,20%	Taiyo Yuden Co Ltd	CK2125 R22M	Approval Required
162D61	1	L505	INDUCTOR,SPRING,MICRO,AIR CORE,5.4nH	Coilcraft	0906-5GLC	Approval Required
170C15	1	CON100	STRIP,SOCKET,SIDE ENTRY,3 PIN	Samtec Inc	MMS-103-02-L-SH	Approval Required
183A27	2	Q90 Q630	TRANSISTOR,PNP,SOT-23,MMBT2907AL	On Semiconductor	MMBT2907ALG	See AVL
183A38	2	Q480 Q631	TRANSISTOR,LOW NOISE,SOT-23,NPN,5089	On Semiconductor	MMBT5089LG	See AVL
183A56	2	Q185 Q186	TRANSISTOR,NPN,DUAL,SC70-6	Fairchild Semiconductor Corp	FFB3904 (OBSOLETE)	See AVL
183A74	2	Q410 Q475	TRANSISTOR,MOSFET,POWER,N-CHAN,SuperSOT-3	Fairchild Semiconductor Corp	NDS355AN	Approval Required
184A07	2	D162 D190	DIODE,DUAL,SWITCHING,SOT-23,75VDC	On Semiconductor	MMBD2836LG	See AVL
184B69	3	D311 D400 D480	DIODE,SCHOTTKY,COMMON ANODE,SOT-23	Fairchild Semiconductor Corp	BAT54A (OBSOLETE)	See AVL
184C90	1	DS300	LED,DISPLAY,SB GREEN,7 SEG,0.2" DIGIT HEIGHT	Kingbright	ACSA02-41SGWA-F01	Approval Required
187A12610	1	U500	TCXO,30.400MHz,3.2X2.5MM	KDS (Daishinku Corp)	1XTW30400AAA	Approval Required
188A49	2	IC120 IC150	AMPLIFIER,OPERATIONAL,QUAD,SO-14,MC33179	On Semiconductor	MC33179DG	Approval Required
188A479	1	IC400	IC,CONVERTER,SYNC BOOST	Linear Technology Corp	LTC3400BES6#PBF	Approval Required
188A590	1	IC401	IC,REGULATOR,CMOS LDO,3.3V,SC-70-5	Sipex Corporation (Exar Corp)	SP6213EC5-L-3.3	Approval Required
188A671	1	IC100	COMPANDER,16 PIN QSOP	THAT Corporation	4315Q16-U	Approval Required
188B13925	1	IC501	SYNTHESIZER,FRQ,PLL,1.2GHz,TSSOP-16	Analog Devices Inc	ADF4111BRUZ	Approval Required
188C10019	1	IC300	MICROCONTROLLER,16K FLASH,2K RAM,48 QFN	Freescale Semiconductor	MC9S08GT16ACFDE	Approval Required