

Level	Part Type	Item Number	Item Rev
0	25 - FAB Package	25-SLT-01	B0.5
0.1	20 - Bare PCB	20-0000104-00	B
0.1	60 - PWA/PCA Board Level Assy	60-00000125-00	B0.4
..2	90 - RESISTOR	90-000039	0
..2	90 - RESISTOR	90-000049	0
..2	90 - CAPACITOR	90-000061	1
..2	90 - CAPACITOR	90-000066	1
..2	90 - CAPACITOR	90-000070	2
..2	90 - CAPACITOR	90-000071	2
..2	90 - CRYSTAL	90-000102	1
..2	90 - RESISTOR	90-000107	0
..2	90 - DIODE	90-000108	0
..2	90 - INDUCTOR	90-000112	0
..2	90 - CAPACITOR	90-000123	2
..2	90 - CAPACITOR	90-000134	1
..2	90 - FET	90-000146	0
..2	90 - RESISTOR	90-000172	0
..2	90 - RESISTOR	90-000174	0
..2	90 - RESISTOR	90-000181	0
..2	90 - INDUCTOR	90-000256	0
..2	90 - CRYSTAL	90-000263	4
..2	90 - RESISTOR	90-000318	1
..2	90 - RESISTOR	90-000320	0
..2	90 - RESISTOR	90-000322	0
..2	90 - RESISTOR	90-000325	0
..2	90 - RESISTOR	90-000331	0
..2	90 - RESISTOR	90-000332	0
..2	90 - CAPACITOR	90-000347	0
..2	90 - CAPACITOR	90-000348	0
..2	90 - CAPACITOR	90-000349	0
..2	90 - CAPACITOR	90-000350	0
..2	90 - FET	90-000359	0
..2	90 - RESISTOR	90-000388	2
..2	90 - CAPACITOR	90-000424	1
..2	90 - CAPACITOR	90-000432	2
..2	90 - CONN	90-000442	1
..2	90 - CONN	90-000451	1
..2	90 - CAPACITOR	90-000459	2
..2	90 - RESISTOR	90-000512	0
..2	90 - DIODE	90-000593	1
..2	90 - IC	90-000636	0
..2	90 - CAPACITOR	90-000659	0
..2	90 - DIODE	90-000737	0
..2	90 - IC	90-000749	0
..2	90 - CAPACITOR	90-000763	0
..2	90 - DIODE	90-000790	1
..2	90 - CONN	90-000876	0
..2	90 - IC	90-000901	0
..2	90 - RESISTOR	90-000952	1
..2	90 - IC	90-000988	0
..2	90 - RESISTOR	90-001049	1

..2	90 - IC	90-001074	0
..2	90 - CAPACITOR	90-001076	1
..2	90 - CAPACITOR	90-001078	0
..2	90 - RESISTOR	90-001134	0
..2	90 - CONN	90-001195	0
..2	90 - BATTERY	90-001197	0
..2	90 - RESISTOR	90-001207	1
..2	90 - RESISTOR	90-001252	1
..2	90 - RESISTOR	90-001338	1
..2	90 - IC	90-001353	0
..2	90 - INDUCTOR	90-001483	0
..2	90 - DIODE	90-001484	0
..2	90 - INDUCTOR	90-001576	1
..2	90 - IC	90-001611	0
..2	90 - CAPACITOR	90-001620	0
..2	90 - RESISTOR	90-001639	0
..2	90 - RESISTOR	90-001641	0
..2	90 - RESISTOR	90-001642	0
..2	90 - RESISTOR	90-001643	0
..2	90 - RESISTOR	90-001644	0
..2	90 - CONN	90-001659	0
..2	90 - RESISTOR	90-001736	0
..2	90 - RESISTOR	90-001739	0
..2	90 - RESISTOR	90-001782	0
..2	90 - CAPACITOR	90-001789	1
..2	90 - CAPACITOR	90-001790	0
..2	90 - CAPACITOR	90-001793	0
..2	90 - CAPACITOR	90-001794	1
..2	90 - RESISTOR	90-001838	0
..2	90 - IC	90-001897	1
..2	90 - IC	90-001898	2
..2	90 - IC	90-001902	1
..2	90 - RESISTOR	90-001907	0
..2	90 - RESISTOR	90-001923	0
..2	90 - RESISTOR	90-001935	0
..2	90 - CAPACITOR	90-001954	0
..2	90 - CAPACITOR	90-001955	0
..2	90 - CAPACITOR	90-001972	0
..2	90 - CAPACITOR	90-002030	0
..2	90 - CAPACITOR	90-002031	0
..2	90 - RESISTOR	90-002069	0
..2	90 - INDUCTOR	90-002081	0
..2	90 - IC	90-002090	0
..2	90 - CAPACITOR	90-002097	0
..2	90 - RESISTOR	90-002121	0
..2	90 - RESISTOR	90-002127	1
..2	90 - IC	90-002134	0
..2	90 - IC	90-002150	0
..2	90 - DIODE	90-002156	0
..2	90 - CAPACITOR	90-002163	0
..2	90 - CAPACITOR	90-002169	0
..2	90 - CAPACITOR	90-002172	0

..2	90 - CAPACITOR	90-002173	0
..2	90 - CAPACITOR	90-002175	0
..2	90 - RESISTOR	90-002184	0
..2	90 - IC	90-002205	0
..2	90 - IC	90-002207	0
..2	90 - IC	90-002208	0
..2	90 - INDUCTOR	90-002209	1
..2	90 - INDUCTOR	90-002213	0
..2	90 - CRYSTAL	90-002228	0
..2	90 - CONN	90-002239	0
..2	90 - INDUCTOR	90-002246	0
..2	90 - DIODE	90-002248	0
..2	90 - IC	90-002251	0
..2	90 - RESISTOR	90-002253	0
..2	90 - CAPACITOR	90-002255	0
..2	90 - IC	90-002269	0
..2	90 - IC	90-002271	0
..2	90 - INDUCTOR	90-002273	0
..2	90 - CRYSTAL	90-002282	0
..2	90 - CAPACITOR	90-002296	0
..2	90 - DIODE	90-002350	0
..2	90 - IC	90-002352	0
..2	90 - IC	90-002355	0
..2	90 - IC	90-002356	0
..2	90 - IC	90-002357	0
..2	90 - INDUCTOR	90-002362	0
..2	90 - INDUCTOR	90-002363	0
..2	90 - CONN	90-002364	0
..2	90 - INDUCTOR	90-002366	0
..2	90 - MODULE	90-002367	0
..2	90 - IC	90-002368	0
..2	90 - DIODE	90-002369	0
..2	90 - IC	90-002370	1
..2	90 - INDUCTOR	90-002375	0
..2	90 - IC	90-002379	0
..2	90 - CONN	90-002381	0
..2	90 - CONN	90-002382	0
..2	90 - CONN	90-002383	0
..2	90 - FET	90-002385	0
..2	90 - RESISTOR	90-002386	0
..2	90 - RESISTOR	90-002387	0
..2	90 - MISC	90-002388	0
..2	90 - CONN	90-002402	0
..2	90 - RESISTOR	90-002410	0
..2	90 - IC	90-002413	0
..2	90 - IC	90-002418	0
..2	90 - INDUCTOR	90-002420	0
..2	90 - IC	90-002421	0
..2	90 - RESISTOR	90-002426	0
..2	90 - CAPACITOR	90-002428	0
..2	90 - CAPACITOR	90-002429	0
..2	90 - IC	90-002431	0

Part Description	Find Num	Qty
SLATE MAIN BOARD - SLT-01-00H - (PCB FAB Package/Quote)		
<i>SLT-01 - SLATE MAIN BOARD - Bare PCB</i>	<i>0</i>	<i>1</i>
<i>SLT-01 - SLATE MAIN BOARD</i>	<i>0</i>	<i>1</i>
RESISTOR, 0 OHM 0603 1A 5% 1/10W 50V	1	3
RESISTOR,75.0KOhm06031%1/10W50V	2	2
CAPACITOR, 1000PF 0603 10% X7R CERAMIC 200V	3	2
CAPACITOR, 1.0UF 0603 10% X5R CERAMIC 16V	4	2
CAPACITOR, 10UF 0603 20% X5R CERAMIC 6.3V	5	7
CAPACITOR,22UF080520%X5RCERAMIC6.3V	6	6
CRYSTAL,32.768KHZ	7	1
RESISTOR,2.21KOhm06031%1/10W50V	8	5
DIODE,SCHOTTKY30V200MAULTRASMALLROHS	9	1
FERRITE, 2A 220 OHM 0603	10	6
CAPACITOR,0.22UF060310%X5RCERAMIC10V	11	1
CAPACITOR,0.1UF040210%X5RCERAMIC16V	12	76
FET,P-CHANNELMOSFETRDS-.052VDSS-20V-2.4A	13	4
RESISTOR,6.49KOHM06031%1/10W50V	14	1
RESISTOR,1.21KOHM06031%1/10W50V	15	2
RESISTOR,22.1OHM06031%1/10W50V	16	7
FERRITE, 1500mA 30 ohm 0603	17	1
CRYSTAL,25.000 MHz +/- 30ppm RoHS	18	1
RESISTOR, 100K OHM 0402 1% 1/16W 50V	19	12
RESISTOR, 200K OHM 0402 1% 1/16W 50V	20	4
RESISTOR, 40.2K Ohm 0402 1% 1/16W 50V	21	1
RESISTOR,64.9KOhm04021%1/16W50V	22	2
RESISTOR,1.00KOHM04021%1/16W50V	23	3
RESISTOR, 15.0K OHM 0402 1% 1/16W 50V	24	1
CAPACITOR,0.47uF060310%X7RCeramic25V	25	2
CAPACITOR,22PF06035%NPOCERAMIC50V	26	2
CAPACITOR,470pF060310%X7RCeramic50V	27	1
CAPACITOR, 10UF 0805 10% X5R CERAMIC 10V	28	9
FET, N-CHAN MOSFET, LOGIC LEVEL, ENHANCEMENT, 2.2A, SOT-23	29	9
RESISTOR, 357K OHM 0603 1% 1/10W 50V	30	1
CAPACITOR, 3.3UF 0805 10% X5R CERAMIC 10V	31	1
CAPACITOR, 4.7UF 0805 20% X5R CERAMIC 25V	32	1
CONN,Coax ultra small low profile 1.9mm or 2.4mm Mated Height	33	1
CONN, FFC/FPC, 1MM, 4POS, TOP CONTACT, R/A, SMD	34	1
CAPACITOR,0.01UF040210%X7RCERAMIC25V	35	3
RESISTOR, 15K OHM 0603 1% 1/10W 50V	36	2
DIODE, ZENER 1W 39V SMA	37	1
Digital Potentiometer, 100K Ohm, 256 position, I2C	38	1
CAPACITOR, 4.7UF 1210 10% XR7 CERAMIC 50V	39	2
DIODE,SchottkyDiode40V1A	40	1
IC,USB2.0EMIFilter	41	1
Cap Cer 1000pF, 10% 100V, 0603, X7R	42	2
DIODE, 30V 1A	43	1
CONN, 4 PIN HEADER SH 1MM LOW PROFILE ROHS	44	1
IC, MAX1698A LED Driver/Regulator, 2.4A nom., 3X3mm MSOP10	45	1
RESISTOR, 86.6 OHMS 0603, 1% 1/16W, 50V	46	8
IC, 7SZ14 SINGLE UHS INVERTER, SOT23-5, ROHS	47	1
RESISTOR, THK FLM, 1.00M OHM, 1%, 1/8W, 0805	48	1

IC, REG POS, LT1965, LDO, 1.1A, VOUT ADJ, MSOP8	49	1
CAPACITOR,CER,100PF,5%,50V,NPO,0603	50	2
CAPACITOR, CER, 10UF, 10%, 35V, X7R, 1210	51	2
RESISTOR, THK FLM, 0 OHM (20MOHM NOM) 1/4W, 1206	52	2
CONN, MICRO USB, RECEPT, R/A, BOTTOM MOUNT	53	1
BATTERY HOLDER, 12mm DIAMETER CELL, SMT	54	1
RESISTOR,THKFLM,121OHMS,1%,1/10W0603	55	4
RES,THKFLM,10.0KOHMS,1%,1/16W,0402	56	50
RES, THN FLM, 12.1K OHMS, 0.1%, 1/10W, 50V, 0603	57	1
IC, REG, MIC5219, ADJ V, 500MA, MSOP8	58	1
INDUCTOR, 0.036UH, 300MA, SRF=1.7GHZ,0402	59	1
DIODE,TVS, UNI-DIR, 3.3V, 150MW, SOD-923	60	4
INDUCTOR,2.2UH,20%,3.5A,30MOHM	61	1
IC, 2-bit bidirectional voltage level translator (I2C)	62	3
CAPACITOR, CER, 22pF, 50V, NP0, 0402	63	5
RES, ZERO OHM, 1/10W, 5%, 0402, SMD	64	14
RES, 1.62K OHM, 1/10W, 1%, 0402, SMD	65	1
RES, 4.75K OHM, 1/10W, 1%, 0402, SMD	66	12
RES, 294K OHM, 1/10W, 1%, 0402, SMD	67	1
RES, 1M OHM, 1/10W, 1%, 0402, SMD	68	10
CONN,2 PIN HEADER SMT 1MM SINGLE ROW RIGHT ANGLE	69	2
RESISTOR, 2.05MOhm 0402 1% 1/16W	70	1
RESISTOR, 12KOhms, 0402, 1%, 1/16W, SMD	71	1
RES, 4.99K OHM, 1/10W, 1%, 0402, SMD	72	1
CAP, CER, 4.7UF, 6.3V, X5R, 0402, SMD	73	18
CAP, CER, 0.22UF, 10V, X5R, 0402, SMD	74	47
CAP, CERM, 18PF, 5%, 50V, NP0, 0402, SMD	75	4
CAP, CER, 1.0UF, 10V, 10%, X5R, 0402, SMD	76	7
RES, 100 OHM, 1/16W, 1%, 0402, SMD	77	1
IC, i.MX6Q Dual/Quad CPU, Automotive, 624 BGA	78	1
IC, PMIC for i.MX6 Series CPU, 56 QFN	79	1
IC, STEREO CODEC W/ DSP, 2W, I2S, SPI, 49 W-CSP	80	1
RES, 240 OHM, 1/16W, 1%, 0402, SMD	81	5
RES, 200 OHM, 1/16W, 1%, 0402, SMD	82	2
RES, 17.4k Ohm, 1/10W, 1%, 0603, SMD	83	1
CAPACITOR, 4.7UF 0603 10% X5R CERAMIC 10V	84	10
CAP, CER, 22UF 0603 20% X5R 6.3V	85	31
CAP, CER, 0.1UF, 500V, 10%, X7R, 1210	86	1
CAP, CER, 0.22UF, 6.3V, 20% , X5R, 0201	87	65
CAP, CER, 10000PF, 6.3V, X7R, 0201	88	1
RES, 402 OHM, 1/10W, 1%, 0402, SMD	89	4
CHOKE, COIL, COMMON MODE, 330MA, SMD	90	6
IC, I/O EXPANDER, 8 BIT, I2C, 2-Kbit EEPROM, 16HVQFN	91	1
CAP, CER, 10UF, 25V, 20%, X5R, 0603	92	5
RES, 6.04K OHM, 1/16W, 1%, 0402, SMD	93	1
RES, 10K OHM, 1/20W, 1%, 0201, SMD	94	42
IC, BUFFER, TRI-ST, ULP, N-INV, SC705	95	1
IC, REG, BUCK, SYNC, ADJ, 4A, 18QFN	96	1
DIODE, BAT54S, 1 PAIR SERIES CONNECTED, SOT-23	97	2
CAP, CER, 2.2UF, 16V, 10%, X5R, 0603, SMT	98	3
CAP, CER, 47UF, 25V, 20%, X5R, 1206	99	1
CAP, CER, 1UF, 35V, 10%, X5R, 0402	100	13

CAP, CER, 0.1UF, 50V, 10%, X7R, 0402	101	9
CAP, CER, 0.22UF, 25V, 10%, X5R, 0201	102	2
RES, SMD, 1.21K OHM, 1%, 1/10W, 0402	103	2
IC, Ethernet, 1000 Mbps, RGMII XCVR, 48QFN	104	1
IC, REG, LDO, 1.2V, 0.5A, 6MLF	105	1
IC, POWER SWITCH, HI SIDE, CURRENT LIMITING, 6TMLF	106	3
INDUCTOR, 4.7uH, 4.5A, 20%	107	1
FERRITE, 1.5A, 120 OHM, 0402	108	6
Crystal, 24.0000MHz, 10ppm, 9pF, 40 Ohm, 4-SMD, No Lead (DFN, LCC)	109	1
CONN, SOCKET, F4S, .4MM, 30POS, SMD	110	1
IND, FIXED, 10UH, 1.2A, 124 MOHM, SMD	111	1
DIODE, SCHOTTKY, 40V, 500MA, 0805	112	1
IC, DC-D,C CONV, TRPL, LCD, 16-TSSOP	113	1
RES, SMD, 49.9K, OHM, 1%, 1/16W, 0402	114	2
CAP, CER, 470PF, 50V, NP0, 0402	115	1
IC, BUS TRANSCVR, 1-BIT, TRI-ST, SOT-563	116	1
IC, LOAD SW, LVL SHIFT, 20V, SC70-6	117	3
IND, 1uH, 4.3A, 42 MOHM, SMD	118	5
CRYSTAL, 27.12MHz, ±35ppm, 80 Ohm, AEC-Q200, 4-SMD	119	1
CAP, CER, 2.2uF, 50V, 10%, X7R, 0805	120	4
DIODE, SCHOTTKY, 20V, 1A, 0805	121	1
IC, 4 port USB 2.0 Hub, low power, 36-SQFN	122	1
IC, RF, MOD, BT/BLE/WIFI, SMD	123	1
IC, PIC 32MX Microcontroller, 32-Bit, 100MHz,512KB FLASH, 64-QFN	124	1
IC, eMMC Flash, 16G-Byte, 153-Ball WFBGA	125	1
FERRITE, EMI Filter Chip Bead, 120ohm, 0402, 2A, 55mohm DCR	126	6
FERRITE, EMI Filter Chip Bead, 330ohm, 0402, 1.2A, 150mohm DCR	127	2
CONN, 5 Position, Header, Vertical, Shrouded, 1.25mm, Thru Hole, Tin	128	2
INDUCTOR, 560nH, Unshielded, 450mA, 550 mohm max DCR, 1210, SMT	129	2
Bluetooth BLE 4.2 module, RF, TXRX, CHIP ANT	130	1
IC, Flash Memory 16Mb, 3V, 108Mhz, SPI NOR Flash	131	1
LED, RGB, 2V 622nm RED, 3.2V 530nm GREEN, 3.2V 473nm BLUE, 4PLCC	132	4
IC, USB TYPE-C, CC logic Controller 12-X2QFN	133	1
INDUCTOR, MULTILAYER CHIP, 2.2uH, 250mA, 0603	134	1
IC, Power Switch, Hi-side, current limiting, active low, 6TMLF	135	1
CONN, FFC/FPC, 40 Pos, Top Contact, 0.50mm, SMT, Right Angle	136	1
CONN, FFC/FPC, 6 POS, Bottom Contact, 1.00mm, SMT, Right Angle	137	1
CONN, FFC/FPC, 12 Pos, Bottom Contact, 0.50mm, SMT, Right Angle	138	1
FET, N-CHAN, 60V, 2.7A, SOT-23-3	139	1
RESISTOR, 1.54 ohm, 1%, 1/16W, 0402, SMD	140	1
RESISTOR, 294 ohm, 1%, 1/16W, 0402, SMD	141	1
SMT THREADED SPACER - M2 X 10MM	142	4
CONN, socket, 50pos, 5mm stack height, board-to-board	143	1
RES, 348k ohm, 1%, 1/10W, 0402, SMD	144	1
IC,DDR3L,4Gb,1866, SDRAM,32MX16X8, 1.35V, IND TEMP	145	4
IC, Crypto Authentication, Networking and Comm, 8-UDFN (2x3)	146	1
INDUCTOR, 10uH, 20%, 2.4A, 243mOHMS, 4.06mmX4.06mm, SMT	147	1
IC, RFID, MIFARE, NFC, I2C, SPI, UART, 32-VFQFN Gnd Pad, 500mA	148	1
RESISTOR, THK FLM, 0.0 OHM, 1/2W, 1210	149	4
CAPACITOR, CER, 10uF, 10%, 50V, X7R, 1210	150	1
CAPACITOR, Ceramic, 56pF, 0603, 5%, 100V, C0G, NP0	151	2
IC, VOLT SUPERVISOR, 3.0V, SOT23-6	152	1

Ref Des

R247, R248, R309

R263, R268

C398, C399

C361, C362

C217, C324-C327, C351, C353

C105-C110

Y2

R249-R251, R325, R326

D11

FB17-FB22

C411

C4-C10, C15-C25, C37, C86-C101, C118-C132, C134, C139-C150, C218-C223, C355, C356, C385-C387, C408,

Q7-Q9, Q15

R331

R243, R244

R177-R180, R307, R319, R320

FB16

Y3

R210-R220, R265

R185-R187, R189

R316

R190, R191

R124-R126

R262

C363, C364

C375, C376

C296

C274-C280, C412, C413

Q1-Q3, Q5, Q6, Q14, Q16-Q18

R266

C383

C377

J8

J9

C335, C336, C393

R36, R37

D17

U44

C401, C402

D10

U31

C365, C366

D9

J1

U45

R272-R279

U11

R317

U53
C367, C368
C395, C396
R332, R333
J2
B1
R280-R283
R1-R14, R18-R22, R24-R30, R32-R35, R38-R44, R47, R48, R69, R269, R299, R300, R306, R311, R312, R322-R
R207
U13
L8
D1-D4
L18
U7-U9
C318, C319, C321, C322, C397
R61, R65, R66, R75, R123, R256-R259, R286, R287, R298, R313, R327
R170
R86-R96, R112
R184
R192, R193, R197-R202, R267, R315
J4, J5
R115
R236
R235
C1-C3, C281-C295
C39-C85
C111-C114
C258-C262, C299, C300
R169
U1
U12
U41
R79-R83
R84, R85
R330
C263-C269, C272, C273, C357
C226-C256
C400
C152-C216
C257
R230, R231, R233, R234
L1-L6
U47
C344, C345, C347, C348, C352
R171
R120-R122, R131-R135, R138-R141, R144, R146-R162, R164-R166, R168, R288-R291, R296, R301, R303, R31
U14
U50
D15, D16
C297, C298, C380
C394
C301, C302, C309, C310, C312-C317, C390-C392

C29-C36, C389
C224, C225
R245, R246
U20
U19
U26, U27, U29
L28
FB1-FB4, FB6, FB7
Y1
J6
L26
D14
U43
R260, R264
C382
U10
U16-U18
L13-L17
Y4
C403-C406
D18
U32
U42
U37
U15
FB8-FB13
FB14, FB15
J10, J11
L22, L23
U49
U48
D5-D8
U34
L25
U30
J3
J18
J20
Q4
R284
R305
SP1-SP4
J21
R318
U2-U5
U52
L27
U36
R334-R337
C354
C369, C370
U51

BOM Notes	Manufacturer
	InHand Electronics
DNI:(R308,R310)	Panasonic Panasonic AVX Corp. Murata MuRata TDK Citizen
DNI:(D20)	Panasonic Diodes Inc TDK Corporation TDK
DNI:(C117,C388)	Murata Fairchildsemi Panasonic Panasonic Panasonic Steward Abracon
DNI:(R188)	Panasonic Panasonic Panasonic Panasonic Yageo America Yageo America MuRata AVX Corporation TDK
	Fairchildsemi Panasonic Murata Murata Holland Electronics Molex Murata Panasonic Diodes Inc. Analog Devices MuRata Zetex STMicroelectronics Panasonic ON Semiconductor
DNI:(J22)	JST Maxim Panasonic Fairchild Yageo

	Linear Technology
	Yageo
	Taiyo Yuden
	Vishay/Dale
	Molex
	Keystone Electronics
	Yageo
DNI:(R15,R16,R17,R23,R328)	Vishay/Dale
	Susumu Co
	Micrel
	Murata
	On Semi
	Würth
	Texas Instr.
	Kemet
DNI:(R67,R68,R76,R77,R78,R297,R304)	Panasonic
	Panasonic
	Panasonic
	Panasonic
	Panasonic
	JST
DNI:(R113,R114)	Vishay
	Vishay
	Panasonic
	Taiyo Yuden
	Murata
	AVX Corporation
	Murata
	Yageo
	NXP
	NXP
	Wolfson
	Yageo
	Panasonic
	Panasonic
DNI:(C270,C271)	Yageo
	TDK
	Kemet
	Taiyo Yuden
	Murata
	Panasonic
	Murata
	NXP
	TDK
	VISHAY
DNI:(R136,R137,R142,R143,R145,R292,R293,R294,R295,R302)	Rohm
	Fairchild
	Linear Tech
	Diodes Inc
DNI:(C410)	Taiyo Yuden
	TDK
	TDK

DNI:(R261)

TDK
TDK
Panasonic
Micrel
Micrel
Micrel
Coilcraft
Murata
EPSON
Panasonic
Sumida
AVX Corporation
Maxim
Yaego
Murata
Texas Instruments
Vishay/Siliconix
Murata
Murata
Taiyo Yuden
AVX Corporation
Microchip
Murata
Microchip
Micron
Murata
Murata
Molex
TDK Corporation
Cypress
Cypress
Cree Inc.
NXP
Murata
Microchip
TE Connectivity
TE Connectivity
TE Connectivity
Infineon
Vishay
Yageo
Penn Engineering
Samtec
Panasonic
Micron Technology
Microchip
Würth
NXP
Stackpole Electronics Inc
Samsung
MuRata
Texas Instruments

Manufacturer P/N	Manufacturer Status	Vendor
25-SLT-01	Preferred	
ERJ-3GEY0R00V	Preferred	Digikey
ERJ-3EKF7502V	Preferred	Digikey
06032C102KAT2A	Preferred	DIGI-KEY CORPORATION
GRM188R61C105KA93D	Preferred	DIGI-KEY CORPORATION
GRM188R60J106ME47D	Preferred	Digikey
C2012X5R0J226M	Preferred	Digikey
CM130-32.768KDZF-UT	Preferred	Mouser
ERJ-3EKF2211V	Preferred	Digikey
BAT54LP-7	Preferred	Digikey
MPZ1608S221A	Preferred	Digikey
C1608X5R1A224K	Preferred	Mouser
GRM155R61C104KA88D	Preferred	DIGI-KEY CORPORATION
FDN304P	Preferred	Digikey
ERJ-3EKF6491V	Preferred	Digikey
ERJ-3EKF1211V	Preferred	Digikey
ERJ-3EKF22R1V	Preferred	Digikey
MI0603K300R-10	Preferred	Digikey
ABM7-25.000MHZ-D-2-Y-T	Preferred	Digikey
ERJ-2RKF1003X	Preferred	DIGIKEY
ERJ-2RKF2003X	Preferred	DIGIKEY
ERJ-2RKF4022X	Preferred	DIGIKEY
ERJ-2RKF6492X	Preferred	DIGIKEY
RC0402FR-071KL	Preferred	DIGIKEY
RC0402FR-0715KL	Preferred	DIGIKEY
GRM188R71E474KA12D	Preferred	Digikey
06035A220JAT2A	Preferred	Digikey
C1608X7R1H471K	Preferred	Digikey
		TTI
FDN337N	Preferred	
ERJ-3EKF3573V	Preferred	Digikey
GRM219R61A335KE19D	Preferred	Digikey
GRM21BR61E475KA12L	Preferred	DIGI-KEY CORPORATION
U.FL SMT JACK	Preferred	Digikey
52207-0485	Preferred	Digikey
GRM155R71E103KA01D	Preferred	DIGI-KEY CORPORATION
ERJ-3EKF1502V	Preferred	Digikey
SMAZ39-13-F	Preferred	Digikey
AD5245BRJZ100-R2	Preferred	Digikey
GRM32ER71H475KA88L	Preferred	Digikey
ZHCS1000TA	Preferred	Digikey
USBLC6-2SC6	Preferred	Digikey
ECJ-1VB2A102K	Preferred	Digikey
MBR130T1	Preferred	Digikey
BM04B-SRSS-TB(LF)(SN)	Preferred	Digikey
MAX1698AEUB+T	Preferred	Digikey
ERJ-3EKF86R6V	Preferred	Digikey
NC7SZ14M5X-NL	Preferred	Digikey
RC0805FR-071ML	Preferred	Digikey

LT1965EMS8E#PBF	Preferred	Digikey
CC0603JRNPO9BN101	Preferred	Digikey
GMK325BJ106KN-T	Preferred	Digikey
CRCW12060000Z0EA	Preferred	Digikey
47346-0001	Preferred	Mouser
	3000 Preferred	Mouser
RC0603FR-07121RL	Preferred	Digikey
CRCW040210K0FKED	Preferred	Digikey
RG1608P-1212-B-T5	Preferred	Digikey
MIC5219YMM	Preferred	Digikey
LQG15HS27NJ02D	Preferred	
ESD9C3.3ST5G	Preferred	
	7447745022 Preferred	DIGIKEY
TXS0102DCUR	Preferred	DIGI-KEY CORPORATION
C0402C220J5GACTU	Preferred	Digikey
ERJ-2GE0R00X	Preferred	Digikey
ERJ-2RKF1621X	Preferred	Digikey
ERJ-2RKF4751X	Preferred	Digikey
ERJ-2RKF2943X	Preferred	Digikey
ERJ-2RKF1004X	Preferred	Digikey
SM02B-SRSS-TB(LF)(SN)(P)	Preferred	
CRCW04022M05FKED	Preferred	DIGI-KEY CORPORATION
CRCW040212K0FKED	Preferred	DIGI-KEY CORPORATION
ERJ-2RKF4991X	Preferred	Digikey
JMK105BBJ475MV-F	Preferred	TDK
GRM155R61A224KE19D	Preferred	Digikey
04025A180JAT2A	Preferred	Digikey
GRM155R61A105KE15D	Preferred	Digikey
RC0402FR-07100RL	Preferred	Digikey
MCIMX6Q6AVT10AE	Preferred	
MMPF0100F0AEP	Preferred	Mouser
WM8962BECSN/R	Preferred	Mouser
RC0402FR-07240RL	Preferred	Digikey
ERJ-2RKF2000X	Preferred	Digikey
ERJ-3EKF1742V	Preferred	Digikey
CC0603KRX5R6BB475	Preferred	Digikey
C1608X5R0J226M	Preferred	Digikey
C1210W104KCRCTU	Preferred	Digikey
JMK063BJ224MP-F	Preferred	DIGIKEY
GRM033R70J103KA01D	Preferred	DIGIKEY
ERJ-2RKF4020X	Preferred	DIGIKEY
DLW21SN900SQ2L	Preferred	Digikey
PCA9500BS	Preferred	DIGIKEY
C1608X5R1E106M080AC	Preferred	DIGIKEY
CRCW04026K04FKED	Preferred	DIGIKEY
MCR006YRTF1002	Preferred	DIGIKEY
NC7SP125P5X	Preferred	DIGIKEY
LT8614IUDC#PBF	Preferred	DIGIKEY
BAT54S-7-F	Preferred	DIGIKEY
EMK107BJ225KA-T	Preferred	Digikey
C3216X5R1E476M160AC	Preferred	DIGIKEY
C1005X5R1V105K050BC	Preferred	DIGIKEY

C1005X7R1H104K050BB	Preferred	DIGIKEY
C0603X5R1E224K030BC	Preferred	DIGIKEY
ERJ-2RKF1211X	Preferred	DIGIKEY
KSZ9031RNXIA	Preferred	Digikey
MIC47050-1.2YML	Preferred	Digikey
MIC2097-1YMT	Preferred	Digikey
XAL4030-472MEB	Preferred	
BLM15EG121SN1D	Preferred	DIGIKEY
TSX-3225 24.0000MF15X-AC3	Preferred	
AXT530124	Preferred	DIGIKEY
CDRH5D18NP-100NC	Preferred	DIGIKEY
SD0805S040S0R5	Preferred	DIGIKEY
MAX1748EUE+T	Preferred	DIGIKEY
RC0402FR-0749K9L	Preferred	DIGIKEY
GCM1555C1H471JA16D	Preferred	DIGIKEY
SN74LVC1T45DRLR	Preferred	DIGIKEY
SI1869DH-T1-E3	Preferred	DIGIKEY
DFE252012P-1R0M=P2	Preferred	DIGIKEY
XRCGB27M120F3A00R0	Preferred	DIGIKEY
UMK212BB7225KG-T	Preferred	Digikey
SD0805S020S1R0	Preferred	DIGIKEY
USB2514B-I/M2	Preferred	Digikey
LBEE5KL1DX-883	Preferred	Digikey
PIC32MX370F512H-I/MR	Alternate	Mouser
MTFC16GAKAECN-4M IT	Preferred	Arrow
BLM15PX121SN1D	Preferred	Digikey
BLM15PX331SN1D	Preferred	Digikey
53047-0510	Preferred	Digikey
NLV32T-R56J-EF	Preferred	Digikey
CYBLE-222014-01	Preferred	Mouser
S25FL116K0XNFI013	Preferred	Mouser
CLV1A-FKB-CK1N1G1BB7D4C3	Preferred	DIGIKEY
PTN5150AHXMP	Preferred	Digikey
LQM18PN2R2MGHD	Preferred	MOUSER ELECTRONICS, INC.
MIC2097-2YMT-TR	Preferred	Digikey
4-1734839-0	Preferred	Digikey
84952-6	Preferred	Digikey
1-1734592-2	Preferred	Digikey
IRLML0060TRPBF	Preferred	Digikey
CRCW04021R54FKED	Preferred	Digikey
RC0402FR-07294RL	Preferred	Digikey
SMTSO-M2-10ET	Preferred	
ERF8-025-05.0-L-DV-K-TR	Preferred	
ERJ-2RKF3483X	Preferred	Digikey
MT41K256M16TW-107 IT	Preferred	
ATECC508A-MAHDA-S	Preferred	Digikey
74437324100	Preferred	Digikey
CLRC66303HN	Preferred	
RMCF1210ZT0R00	Preferred	Digikey
CL32B106KBJNNNE	Preferred	Digikey
GRM1885C2A560JA01D	Preferred	Digikey
TPS3808G30DBVR	Preferred	Digikey

Vendor P/N	Vendor Status	Manuf.#1	Manuf.#1 P/N
P0.0GCT-ND	Preferred		
P75.0KHCT-ND	Preferred		
478-1194-1-ND	Preferred	Panasonic	ECJ-1VB2D102K
490-1536-1-ND	Preferred	Panasonic	ECJ-1VB1C105K
490-3896-1-ND	Preferred	TDK	C1608X5R0J106M080AB
C2012X5R0J226M	Preferred	Panasonic	ECJ-2FB0J226M
695-CM130-327K-U	Preferred		
P2.21KHCT-ND	Preferred		
BAT54LPDITR-ND	Preferred		
445-1565-1-ND	Preferred		
810-C1608X5R1A224K	Preferred	Digikey	PCC1749CT-ND
490-5415-1-ND	Preferred	Panasonic	ECJ-0EB1C104K
FDN304PCT-ND	Preferred	Fairchild Semi	FDN304P DC 0524
P6.49KHCT-ND	Preferred		
P1.21KHCT-ND	Preferred		
P22.1HCT-ND	Preferred		
240-2373-1-ND	Preferred		
535-9847-1-ND	Preferred	ECS	ECS-250-18-23A-EN-TR
P100KLCT-ND	Preferred	Koa	RK73H1ETTP1003F
P200KLCT-ND	Preferred		
P40.2KLCT-ND	Preferred		
P64.9KLCT-ND	Preferred		
311-1.00KLRCT-ND	Preferred		
311-15.0KLRCT-ND	Preferred		
490-3291-1-ND	Preferred		
478-1167-2-ND	Preferred	Yageo America	0603CG220J9B200
445-1307-1-ND	Preferred		
GRM21BR61A106KE19L	Preferred	Panasonic	ECJ-2FB1A106K
P357KHTR-ND	Preferred		
490-1706-1-ND	Preferred	Panasonic	ECJ-2FB1A335K
490-3335-1-ND	Preferred	Panasonic	ECJ-2FB1E475M
H9161-ND	Preferred	Hirose	U.FL-R-SMT(01)
WM7675CT-ND	Preferred	MOLEX	52207-0433
490-1312-1-ND	Preferred	Panasonic	ECJ-0EB1E103K
P15.0KHCT-ND	Preferred		
Unknown	Preferred	Central Semi	CMZ5939B
AD5245BRJZ100-R2CT-ND	Preferred		
490-1864-2-ND	Preferred		
ZHCS1000CT-ND	Preferred		
497-5235-1-ND	Preferred		
PCC1952CT-ND	Preferred	TDK	C1608X7R2A102K
MBR130T1GOSCT-ND	Preferred	Digikey	MBR130T1OSCT-ND
455-1790-1-ND	Preferred		
MAX1698AEUB+-ND	Preferred		
P86.6HCT-ND	Preferred	Vishay	CRCW060386R6F100RT1
NC7SZ14M5XCT-ND	Preferred		
311-1.00MCRCT-ND	Preferred	Vishay	CRCW08051M00FKEA

LT1965EMS8E#PBF-ND	Preferred		
311-1069-1-ND	Preferred	Kemet	C0603C101J5GACTU
587-1439-1-ND	Preferred		
541-0.0ECT-ND	Preferred		
538-47346-0001	Preferred		
534-3000	Preferred		
311-121HRCT-ND	Preferred	Vishay/Dale	CRCW0603121RFKEA
541-10.0KLCT-ND	Preferred	Yageo	RC0402FR-0710KL
RG16P12.1KBCT-ND	Preferred	Vishay/Dale	TNPW060312K1BEEA
MIC5219YMM-ND	Preferred		
732-1313-1-ND	Preferred		
296-21931-1-ND	Preferred		
399-1015-1-ND	Preferred		
P0.0JCT-ND	Preferred		
P1.62KLCT-ND	Preferred		
P4.75KLCT-ND	Preferred		
P294KLCT-ND	Preferred		
P1.00MLCT-ND	Preferred		
541-2.05MLCT-ND	Preferred		
541-12.0KLCT-ND	Preferred		
P4.99KLCT-ND	Preferred		
C1005X5R0J475M	Preferred		
490-3910-1-ND	Preferred		
478-1073-1-ND	Preferred		
490-3890-1-ND	Preferred		
311-100LRCT-ND	Preferred		
841-MMPF0100F0AEP	Preferred		
238-WM8962BECSN/R	Preferred		
311-240LRCT-ND	Preferred		
P200LCT-ND	Preferred		
P17.4KHCT-ND	Preferred		
311-1455-1-ND	Preferred		
445-8028-1-ND	Preferred		
399-6508-1-ND	Preferred		
587-1819-2-ND	Preferred		
490-1262-1-ND	Preferred		
P402LDKR-ND	Preferred		
490-5137-1-ND	Preferred		
568-3351-1-ND	Preferred		
445-9015-1-ND	Preferred		
541-6.04KLDKR-ND	Preferred		
RHM10KCBDKR-ND	Preferred	Mouser	RK73H1HTTC1002F
NC7SP125P5XDKR-ND	Preferred		
LT8614IUDC#PBF-ND	Preferred		
BAT54S-FDITR-ND	Preferred		
587-1430-1-ND	Preferred		
445-8047-1-ND	Preferred		
445-9073-1-ND	Preferred		

445-5932-1-ND	Preferred	Coicraft	XEL4030-472MEB
445-13677-1-ND	Preferred		
P1.21KLDKR-ND	Preferred		
576-4346-ND	Preferred		
576-3666-1-ND	Preferred		
576-3781-1-ND	Preferred		
490-4004-1-ND	Preferred		
255-2410-1-ND	Preferred	Digikey	1611-MIC2097-2YMT-CT-ND
308-1479-1-ND	Preferred		
478-7802-1-ND	Preferred		
MAX1748EUE+CT-ND	Preferred		
311-49.9KLRCT-ND	Preferred		
490-4758-1-ND	Preferred		
296-20629-1-ND	Preferred		
SI1869DH-T1-E3CT-ND	Preferred		
490-10647-1-ND	Preferred		
490-12148-6-ND	Preferred		
587-3169-1-ND	Preferred		
478-7800-1-ND	Preferred		
USB2514B-I/M2-ND	Preferred		
490-13461-1-ND	Preferred		
579-32MX370F512HTIMR	Preferred		
MTFC16GAKAECN-4M IT	Preferred		
490-9656-1-ND	Preferred		
490-11022-1-ND	Preferred		
WM1734-ND	Preferred		
445-16632-1-ND	Preferred		
727-CYBLE-222014-01	Preferred		
797-25FL116K0XNFI013	Preferred		
CLV1A-FKB-CK1N1G1BB7D4C3CT-ND	Preferred		
568-13083-1-ND	Preferred		
81-LQM18PN2R2MGHD	Preferred		
576-3782-1-ND	Preferred		
A100229CT-ND	Preferred		
A101387CT-ND	Preferred		
A100283CT-ND	Preferred		
IRLML0060TRPBFCT-ND	Preferred		
541-1.54LLCT-ND	Preferred		
YAG3093CT-ND	Preferred		
P348KLCT-ND	Preferred		
ATECC508A-MAHDA-SCT-ND	Preferred		
732-3336-1-ND	Preferred		
RMCF1210ZT0R00CT-ND	Preferred		
1276-3387-1-ND	Preferred		
490-1345-1-ND	Preferred		
296-17194-1-ND	Preferred		

Manuf.#1 Status	Manuf.#2	Manuf.#2 P/N	Manuf.#2 Status	Manuf.#3
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Preferred	Digikey	PCC1957CT-ND	Preferred	
Preferred	Digikey	PCC2224CT-ND	Preferred	
Preferred	Digikey	PCC2395CT-ND	Preferred	Panasonic
Alternate	Digikey	PCC2401CT-ND	Alternate	

Preferred	Panasonic	ECJ-1VB1A224K	Preferred	Murata
Preferred	Digikey	PCC2363CT-ND	Preferred	
Alternate				

Alternate	Citizen	CS10-25.000MABJ-UT	Alternate	
Preferred				

Alternate

Alternate	Digikey	PCC2403CT-ND	Alternate	
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Alternate	Digikey	PCC2288CT-ND	Alternate	
Preferred	Digikey	PCC2321TR-ND	Preferred	

Preferred				
Alternate	Digikey	PCC2270CT-ND	Alternate	

Alternate

Alternate	Taiyo Yuden	HMK107BJ102KA-T	Alternate	AVX
Alternate				

Alternate	Koa	RK73H1JTTD86R6F	Alternate	Venkel
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Alternate	Panasonic	ERJ-6ENF1004V	Alternate	Rohm
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Alternate	AVX	06035A101JAT2A	Alternate	Panasonic
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Alternate	SEI	RMC 1/16 121 1% R	Alternate	Panasonic
Alternate	Panasonic	ERJ-2RKF1002X	Alternate	SEI
Alternate	SEI	RNCS 16 T9 12.1K 0.1% I	Alternate	

Alternate

Alternate

Preferred

Manuf.#3 P/N	Manuf.#3 Status
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ECJ-1VB0J106M Preferred

GRM188R61A224KA01D Alternate

06031C102KAT2A Alternate

CR0603-10W-86R6FT Alternate

MCR10EZPF1004 Alternate

ECJ-1VC1H101J

Alternate

ERJ-3EKF1210V

Alternate

RMC 1/16S 10K 1% R

Alternate