

## BILL OF MATERIAL

Category Completed Assembly  
Method DEFAULT  
Batch Size 1.000000

UM ea

Component effectivity as of: all dates

**components**

component ID / description	total qty / UM	qty per	scrap %	image	stage / line#
1 TFG-PMC710XA PMC710 Revision A Tested Finished Goods	1.000000 ea	1.000000			10
2 ASM-PMC710XA PMC710 Rev B Board Assembly	1.000000 ea	1.000000			10
3 BAT-BR122511 Lithium battery Panasonic: BR-1225/1HC	1.000000 ea	1.000000			10
3 BUC-EL7554X1 Step-down regulator Intersil: EL7554IREZ	4.000000 ea	4.000000			20
3 BUC-ISL64201 PWM Controller Intersil: ISL6420IRZ-TK	1.000000 ea	1.000000			30
3 CAP-FA1UXXXB 1 uF 6.3V X5R 0402 Murata: GRM155R60J105KE19	115.000000 ea	115.000000			40
3 CAP-FA100UXG 100 uF 6.3V X5R 1812 Murata: GRM43SR60J107ME20	16.000000 ea	16.000000			50
3 CAP-FBP001UB .001 uF 6.3V X7R 0402	121.000000 ea	121.000000			60
3 CAP-FBP1UXXB 0.1 uF 6.3V X7R 0402	69.000000 ea	69.000000			70
3 CAP-FJ10UXXS 10 uF 6.3V Tant. S Case Size AVX: TAJ5106K006R	6.000000 ea	6.000000			80
3 CAP-HA1UXXXC 1 uF 10V X5R 0603 Murata: GRM185R61A105KE36	20.000000 ea	20.000000			90
3 CAP-JB6P8NXB 6.8nF 16V X7R 0402	2.000000 ea	2.000000			100
3 CAP-JBP018UB .018 uF 16V X7R 0402	8.000000 ea	8.000000			110
3 CAP-JBP022UB .022 uF 16V X7R 0402	4.000000 ea	4.000000			120
3 CAP-NAP1UXXC .1 uF 50V X5R 0603	1.000000 ea	1.000000			130
3 CAP-NB220PXB 220 pF 50V X7R 0402	4.000000 ea	4.000000			140
3 CAP-NBP001UB .001 uF 50V X7R 0402 Murata: GRM155R71H102KA01	1.000000 ea	1.000000			150
3 CAP-NE9P1PXB 9.1 pF 50V C0G 0402 Murata: GRM1555C1H9R1DZ01	3.000000 ea	3.000000			160
3 CAP-NE22PXXB 22 pF 50V NPO 0402 Panasonic: ECJ-0EC1H220K	3.000000 ea	3.000000			170
3 CAP-NE68PXXB 68 pF 50V NPO 0402	1.000000 ea	1.000000			180
3 CAP-VB680PXE 680 pF 2000V X7R 1206 Syfer: 1206J2K00681KXT	3.000000 ea	3.000000			190

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3 CON-PMCP1XX1 PMC Conn 1 10 mm hgt Molex Mezzanine IEEE 1386:71436-2464	1.000000 ea	1.000000			210
3 CON-PMCP2XX1 PMC Conn 2 10 mm hgt Molex Mezzanine IEEE 1386:71436-2464	1.000000 ea	1.000000			220
3 CON-PMCP3XX1 PMC Conn 3 10 mm hgt Molex Mezzanine IEEE 1386:71436-2464	1.000000 ea	1.000000			230
3 CON-PMCP4XX1 PMC Conn 4 10 mm hgt Molex Mezzanine IEEE 1386:71436-2464	1.000000 ea	1.000000			240
3 CON-RJ1X1FX1 RJ45 Molex: 44661-1011	1.000000 ea	1.000000			250
3 CON-USBM5XR1 Cypress Industries: USB B CCMUSBB-32005-20X tbd	1.000000 ea	1.000000			260
3 CPL-XC2C64A1 Xilinx XC2C64A CP56: XC2C64A-7CPG56C	1.000000 ea	1.000000			270
3 CPU-MPC74481 Freescale MPC7448 Processor: MC7448VS1400NC LGA package	1.000000 ea	1.000000			280
3 CRY-32P768K2 32.768kHz 12 Citizen: CM200S32.768KDZFTLF	1.000000 ea	1.000000			290
3 CTR-TS1109A1 Tundra: Tsi109-200CL (lead version)	1.000000 ea	1.000000			300
3 DIO-1PMT50A1 Zener Diode 1PMT5.0AT1 (On Semi?)	1.000000 ea	1.000000			310
3 DIO-MBRM1301 MBRM130LG On Semi: MBRM130LT1G	1.000000 ea	1.000000			320
3 ETH-PI3L5001 Ethernet: Pericom PI3L500ZFEX TQFN-56	1.000000 ea	1.000000			330
3 FBD-CBBLM18A BLM18A Murata: BLM18AG601SN1	13.000000 ea	13.000000			340
3 FBD-EBHZ0801 Steward Ferrite Bead: HZ0805E601R-00	7.000000 ea	7.000000			350
3 FET-HAT21681 Renesas: MOSFET HAT2168H	2.000000 ea	2.000000			360
3 I2C-ADT74611 ADI: Temperature Monitor ADT7461ARZ SOIC TBD	1.000000 ea	1.000000			370
3 I2C-DS1340U1 DS1340U-33 Maxim: DS1340U-33+	1.000000 ea	1.000000			380
3 IND-25252P21 Vishay Inductor 2.2 uH: IHLP2525CZER2R2M01	4.000000 ea	4.000000			390
3 IND-50502P21 Vishay IHLP5050CE01 2.2 uH 20%	1.000000 ea	1.000000			400
3 LED-4STKGRN4 4 STK GRN 10mm High .08in spacing Idea, inc: G184B/4G	1.000000 ea	1.000000			410

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3 LED-RED06031 Red LED 0603: OSRAM LS L296-P2Q2-1SMARTLED	5.000000 ea	5.000000			420
3 LED-TGRNXRA1 Super Bright R.A. LED True Green Fairchild: QTLP610C-IG	4.000000 ea	4.000000			430
3 LOG-74LCX161 Fairchild 74LCX16373G (BGA54A)	2.000000 ea	2.000000			440
3 MAG-TG1S09J1 Halo: TG1G-S009J24	3.000000 ea	3.000000			450
3 MEM-D16MX41A M28W160CB TSOP48 ST Micro: M28W160CB100N1E	1.000000 ea	1.000000			460
3 MEM-D256M31A Spansion S29GL256M FBGA-64: S29GL256M11FFIR20	2.000000 ea	2.000000			470
3 MEM-F1GXX34A HYB18T1G800AF: Infineon: HYB18T1G800AF-5	9.000000 ea	9.000000			480
3 MEM-L2KXX35A Atmel: AT24C02-2.7V TSSOP-8_2: AT24C02-10TQ-2.7	2.000000 ea	2.000000			490
3 OPA-LMV981X1 LMV981 Op Amp SC70-6 National: LMV981MG	2.000000 ea	2.000000			500
3 OSC-25P000M2 25.000 MHz 2.5V Ecliptek: EB15E2D1H-25.000M(TR?)	1.000000 ea	1.000000			510
3 OSC-33P333M3 EC39 1.8V 33.333MHz Ecliptek: EC3945TS-33.333M(TR?)	1.000000 ea	1.000000			520
3 PHY-BC5461S2 Broadcom: BCM5461SA1KPF BGA-117	2.000000 ea	2.000000			530
3 REG-LP2997X1 Voltage Regulator National Semiconductor: LP2997MR(X)	1.000000 ea	1.000000			540
3 RES-1P3KX041 1.30K 1% 0402	1.000000 ea	1.000000			550
3 RES-1P24K041 Resistor: 1.24K 1% 0402	2.000000 ea	2.000000			560
3 RES-1P54K041 Resistor 1.54K 1% 0402 Package	3.000000 ea	3.000000			570
3 RES-2P2KX041 2.2K 1% 0402	2.000000 ea	2.000000			580
3 RES-2P32K041 Resistor: 2.32K 0402	2.000000 ea	2.000000			590
3 RES-3P16K041 3.16K 1% 0402	1.000000 ea	1.000000			600
3 RES-3P24K041 Resistor 3.24k 1% 0402 Package	1.000000 ea	1.000000			610
3 RES-4P99K041 Resistor 4.99k 1% 0402 Package	1.000000 ea	1.000000			620

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3 RES-5P6KX041 Resistor 5.6K 1% 0402 Package	1.000000 ea	1.000000			630
3 RES-6P8KX041 Resistor 6.8K 1% 0402 Package	1.000000 ea	1.000000			640
3 RES-8P45K041 Resistor 8.45K 1% 0402 Package	1.000000 ea	1.000000			650
3 RES-10KXX041 Resistor 10K 0402 Package	6.000000 ea	6.000000			660
3 RES-10P2K041 Resistor 10.2k 1% 0402 Package	2.000000 ea	2.000000			670
3 RES-10XXX041 Resistor 10R 0402 Package	1.000000 ea	1.000000			680
3 RES-12P7K041 Resistor 12.7k 1% 0402 Package	2.000000 ea	2.000000			690
3 RES-20P5K041 20.5K 1% 0402	1.000000 ea	1.000000			700
3 RES-21P5K041 Resistor 21.5k 1% 0402 Package	1.000000 ea	1.000000			710
3 RES-22XXX041 22.0R 1% 0402	3.000000 ea	3.000000			720
3 RES-33XXX041 Resistor 33R 1% 0402 Package	6.000000 ea	6.000000			730
3 RES-47XXX041 Resistor 47R 1% 0402 Package	23.000000 ea	23.000000			740
3 RES-49P9X041 49.9R 1% 0402	16.000000 ea	16.000000			750
3 RES-60P4X041 60.4R 1% 0402	1.000000 ea	1.000000			760
3 RES-75XXX041 75.0R 1% 0402	12.000000 ea	12.000000			770
3 RES-120XX041 120R 1% 0402 Package	3.000000 ea	3.000000			780
3 RES-200XX041 Resistor 200R 1% 0402 Package	1.000000 ea	1.000000			790
3 RES-221XX041 221R 1% 0402	13.000000 ea	13.000000			800
3 RNA-7P5XX041 7.5R Array Panasonic: EXB28V7R5JX	5.000000 ea	5.000000			810
3 RNA-33XXX041 33Array Panasonic: EXB28V330JX tbd	12.000000 ea	12.000000			820
3 RNP-1KXXX121 1K Array Panasonic:EXB-D10C102J tbd	5.000000 ea	5.000000			830

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3 RNP-4P7KX121 4.7K Array Panasonic: EXB-D10C472J	10.000000 ea	10.000000			840
3 RNP-10KXX121 10K Array Panasonic:EXB-D10C103J	6.000000 ea	6.000000			850
3 SUP-LM3702X1 Voltage Supervisor, LM3702 National: LM3702XCBP-308	1.000000 ea	1.000000			860
3 SWT-ATCAMSW1 ATCA blade switch: C&K SDS micro mini switch SDS001	1.000000 ea	1.000000			870
3 SWT-DIP8LOW1 SWITCH-DIP-8-LO Bourns SDHH-8-T or Grayhill: 97C08S	2.000000 ea	2.000000			880
3 XVR-ADM32021 RS-232 Transceiver Analog Devices: ADM3202ARU TSSOP-16	1.000000 ea	1.000000			890
3 PCB-PMC710XA Bare PCB: PMC710 Revision A	1.000000 ea	1.000000			900
2 PNL-PMC710XX Card Panel for PMC710 Revision A	1.000000 ea	1.000000			20
3 PNL-PMCBARE1 PMC Front Panel, Bare	1.000000 ea	1.000000			10
3 NRE-PLPMC710 Cutout Setup Fee for PNL-PMC710XA	1.000000 ea	1.000000			20
2 HSK-PMC710X1 Heatsink for PMC710 Alpac:	1.000000 ea	1.000000			30
2 SCW-2P0MX081 Screw 2.0mm x 8mm lg. Phillips Pan Hd. SS	3.000000 ea	3.000000			40
2 NUT-2P0MXXX1 Nut, Hex, 2.0mm Bolt Depot: 7362	3.000000 ea	3.000000			50
2 HSK-THMPADX1 Thermal Pad for Heat Sink (0.018 inch compressed thickness)	2.000000 ea	2.000000			60
2 HSK-BGA35MM1 Heatsink, BGA 35 x 35mm 6.4 mm height UTEC DCP 35	1.000000 ea	1.000000			70
2 STF-2P5MX101 Standoff round 4.5mm x 10mm Lyn-tron: AL5069-2545	4.000000 ea	4.000000			80
2 SCW-2P5MX051 Screw 2.5mm x 5mm lg. Phillips Pan Hd. SS Bolt Depot 7689	8.000000 ea	8.000000			90
2 LBL-PMC710XA PMC710 Rev A Board Label	1.000000 ea	1.000000			100
2 PNL-GSKPMCXA PMC Panel Gasket: Kaparel 3688661	1.000000 ea	1.000000			110

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2 MEC-LOCTITEA Loctite Version: Blue 242	1.000000 ea	1.000000			120