ORDERING LIST for: PC3216M OM Job No:

Engineer	Designer	PC Issue	Circuit Issue	Qty	Cost Centre	Checked & Approved (Signed & dated)
M.POSTRANECKY	D.J.BECKETT	3	C			

Comp Ref	Manufacturer & Part No or Supplier's Name & Part No	Part Description	Board Qty	Total Qty	Qty Ordered	Purchase Order No	Order Date	Supplier	Goods In	Comments
-	PC3216M/3	PC Board	1							-
C1-8 C11-13 C15-26 C30 C32-42 C77 C78 C80 C82-85 C87 C390 C393	AVX-KYOCERA TAJB475K016R	4.7uF SMD 16V Capacitor, Case Size B	45							Available from FARNELL 498-725
C9 C64-67 C72 C76 C79 C81 C91-101 C139-141 C145 C186 C195 C220 C221 C278 C296 C336 C337 C364	AVX-KYOCERA CM21X7R104K25VAT	100nF SMD Capacitor, 0805	33							Available from FARNELL 499-687
C10 C386	AVX-KYOCERA TAJD476K016R	47uF SMD 16V Capacitor, Case Size D	2							Available from FARNELL 498-762
C14 C31	Siemens B37940K5470J60	47pF SMD Capacitor, 50V, 0805	2							Available from RS 211-3287
C27 C29 C102-108 C110-138 C143 C144 C146 C149-155 C157 C158 C160 C162 C163 C166 C168 C172 C177-180 C182 C184 C188 C189 C191-194 C196 C197 C199 C202 C203 C205 C209 C211 C214-216 C222 C224 C227-229 C231-233 C235 C238-240 C250-252 C263 C264 C271 C276 C277 C281 C283 C284 C286-290 C292-294 C322-335 C338-358 C361-363 C365-384 C389 C392 C394 C397 C400 C403 C406 C409 C412 C418 C428 C431 C454 C456 C457	AVX-KYOCERA CM105X7R104K16VAT	100nF SMD Capacitor, 0603	183							Available from FARNELL 499-675
C28 C156 C165 C170 C171	Farnell 722-080	100pF NPO Capacitor, 0603	5							-
C43 C44 C46 C47 C50 C51 C53-56 C58 C59 C62 C63 C69 C70	AVX TAJC476K010R	47uF SMD 10V Capacitor, Case Size C	16							Available from FARNELL 197-166
C45 C48 C49 C52 C57 C60 C61 C68	AVX-KYOCERA TAJA105K016R	1uF SMD 16V Capacitor, Case Size A	8							Available from FARNELL 498-701
C71 C88-90	Farnell 920-460	470uF 16V Electrolytic	4							-
C73 C74	AVX-KYOCERA TPSE477K010R0050	470uF SMD 10V Low ESR Capacitor, Case Size E	2							Available from FARNELL 301-8532
C75	AVX TPSD107K010R0100	100uF SMD 10V Capacitor, Case Size D	1							Available from RS 406-9946
C86	Farnell 912-967	1000uF 16V Axial Electrolytic	1							-
C109	Farnell 722-042	47pF NPO Capacitor, 0603	1							-

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C142 C159 C169 C173-176 C181 C183 C185 C198 C200 C208 C210 C234 C236 C241 C272	AVX-KYOCERA CM21X7R474K16VAT	470nF SMD Capacitor, 0805	18							Available from FARNELL 578-228
C147 C148 C395 C398 C401 C404 C407 C410 C413 C421 C422 C433-437 C447 C449-453 C459-462	RS 298-9258	100pF SMD Capacitor, 0805, COG Dielectric, 100V	26							-
C161	AVX-KYOCERA CM21X7R334K16VAT	330nF SMD Capacitor, 0805	1							Available from FARNELL 578-216
C164 C167 C206 C212	CC0603HY5V103ZTR	10nF SMD Capacitor, 0603	4							-
C187 C190 C201 C204 C207 C213 C217-219 C223 C225 C226 C230 C279 C280 C282 C285 C291 C359 C360 C387 C391	AVX-KYOCERA 06033C103KAT00J	10nF SMD Capacitor, 0603	22							Available from FARNELL 499-146
C237 C244 C247-249 C255 C260 C265-267 C270 C275 C298 C301-303 C306 C311 C314-316 C319	Murata GRP155R61A104KA01E	100nF X5R Capacitor, 0402, 10V	22							-
C242 C243 C245 C246 C253 C254 C256-259 C261 C262 C268 C269 C273 C274 C295 C297 C299 C300 C304 C305 C307-310 C312 C313 C317 C318 C320 C321	Farnell 578-149	10nF SMD Capacitor, 0402	32							-
C385 C396 C399 C402 C405 C408 C411 C414 C438-446 C458	Flint CC1206CX5R475KTR	4.7uF X5R 16V Capacitor, 1206	18							-
C388 C463-474	AVX-KYOCERA TPSA106K010R	10uF SMD 1OV Capacitor,Low ESR, Case Size A	13							Available from FARNELL 355-3942
C415-417 C419 C420 C423-427 C429 C430 C432 C448 C455	AVX-KYOCERA TAJA474K025R	470nF SMD 25V Capacitor, Case Size A	15							Available from FARNELL 498-828
D1 D2	Farnell 368-106	1N4148PS, Small Signal Diode	2							-
DS1 DS2	Schroff 69004-287	Bi-Level Low Current Green/Green 3.2mm LED	2							-
DS3	Schroff 69004-127	Bi-Level Standard Red/Green 3.2mm LED	1							-
DS4 DS6	Schroff 69004-126	Bi-Level Standard Yellow/Yellow 3.2mm LED	2							-
DS5 DS7 DS11-18	Schroff 69004-124	Bi-Level Standard Red/Red 3.2mm LED	10							-
DS8-10	Schroff 69004-125	Bi-Level Standard Green/Green 3.2mm LED	3							-
DS19 DS20	Agilent Technologies HSMD-S660	Rt-Ang Surface Mount Orange LED	2							-
DS21-38	HP HSMC-H690	Surface Mount Flip-Chip Red LED, Metric	18							Obsolete, use alternative part
FS1 FS3	Littelfuse 154010	10A SMD Fuse in Holder, Nano2 Series	2							-
FS2 FS4-6	Littelfuse 154005	5A SMD Fuse in Holder, Nano2 Series	4							Available from Farnell 664-870

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Comp Ref	Manufacturer & Part No or Supplier's Name & Part No	Part Description	Board Qty	Total Qty	Qty Ordered	Purchase Order No	Order Date	Supplier	Goods In	Comments
J0	Harting 17250952102	95 Way HARBUS HM Shielded Rt-Angle Socket, Press fit	1							Available from RS 366-7634
J1-3	Harting 02011602101	160way Rt-Ang Plug Har-Bus 64 System	3							Available from RS 235-6406
J4C	FCI 98414-S08-14U	2mm pitch 2x7 pin Vertical Shrouded Header, PTH	1							-
J4B	Molex 87331-1420	Molex Straight 2mm pitch 2x7 pin Header, PTH	1							-
J4A	Harwin M20-999 09 05	Harwin Straight 9 pin Header	1							Can be cut from M20-999 36 05
LK1-6 LK91 PL41 PL118 PL122 PL166	Harwin M20-999 03 05	Harwin Straight 3 pin Header	11							Can be cut from M20-999 36 05
LK7	Harwin M20-999 04 05	Harwin Straight 4 pin Header	1							Can be cut from M20-999 36 05
LK72-76	Farnell 175-319	2 pin 0.4 inch pitch Jumper	5							-
PL1	3M 3408-D303	32-Pin Condo double-header, PCB RT-ANG	1							-
PL2 PL7 PL16 PL25 PL30-32 PL50-52 PL119 PL123-141 PL143 PL144 PL146-164 PL167 PL168 PL170 PL175-178 PL180-203	Harwin M20-999 02 05	Harwin Straight 2 pin Header	82							Can be cut from M20-999 36 05
PL73-76 PL117 PL120 PL121 PL142 PL145 PL165 PL169 PL171-174 PL179 PL204-207	Harwin M20-999 20 05	Harwin Straight 1 pin Header	20							Can be cut from M20-999 20 05
R1 R2 R6-36 R59 R60 R113	Farnell 613-058	470R SMD Resistor, 0.1W, 0805	36							-
R3	Farnell 613-034	330R SMD Resistor, 0.1W, 0805	1							-
R4 R106	Farnell 613-095	1K0 SMD Resistor, 0.1W, 0805	2							-
R5	Farnell 613-071	680R SMD Resistor, 0.1W, 0805	1							-
R37-43 R49	Farnell 911-082	56R SMD Resistor, 0.063W, 0603	8							-
R44 R46 R47 R50-52 R116 R121-123 R141	Rohm MCR03EZHJ102	1K0 SMD Resistor, 0.1W, 0603	11							-
R45 R112 R172	Rohm MCR03EZHJ101	100R SMD Resistor, 0.1W, 0603	3							-
R48 R53-57 R140 R142 R147 R148	Farnell 911-197	470R SMD Resistor, 0.063W, 0603	10							-
R58 R63 R64 R67 R68 R100 R125 R152 R153 R174 R175 R180-183 R226 R233 R234 R237	Rohm MCR03EZHJ472	4K7 SMD Resistor, 0.1W, 0603	19							-
R61 R62 R124 R126-139 R150 R151 R154-165 R205-208 R235 R236 R254 R260 R261	Farnell 911-434	47K SMD Resistor, 0.063W, 0603	40							-
R65 R66 R109	Farnell 613-022	270R SMD Resistor, 0.1W, 0805	3							-
R69-75 R77-81 R85-87 R89 R220 R221 R228-231	Farnell 772-227	0R0 SMD Resistor, 0.063W, 0603	22							-

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R76 R88 R186 R188 R190 R192 R194 R196 R204 R210 R212 R215 R216 R257 R259	Rohm MCR03EZHJ221	220R SMD Resistor, 0.1W, 0603	15							-
R82-84 R90-97 R173 R252 R253	Farnell 772-239	0R0 SMD Resistor, 0.1W, 0805	14							-
R98 R99 R104 R105 R108 R111	Farnell 613-174	4.7K SMD Resistor, 0.1W, 0805	6							-
R101 R102 R167-170	Farnell 613-216	10K SMD Resistor, 0.1W, 0805	6							-
R103	Farnell 347-681	100K, 3266W Variable Resistor, 0.25W	1							-
R107 R166	Farnell 613-290	47K SMD Resistor, 0.1W, 0805	2							-
R110	Farnell 612-972	100R SMD Resistor, 0.1W, 0805	1							-
R114 R185 R187 R189 R191 R193 R195 R203 R209 R211 R213 R214 R250 R256 R258	Farnell 612-388	150R SMD Resistor, 0.063W, 0603	15							-
R115 R251	Farnell 911-150	220R SMD Resistor, 0.063W, 0603	2							-
R117-120 R143-146	Rohm MCR03EZPF101	100R SMD Resistor, 0.063W, 0603	8							-
R149 R171 R232 R255	Rohm MCR03EZHJ103	10K SMD Resistor, 0.1W, 0603	4							-
R176 R184	Rohm MCR03EZHJ332	3K3 SMD Resistor, 0.1W, 0603	2							-
R177 R179	Farnell 195-030	1K0 SMD Resistor, 0.063W, 0402	2							-
R178	Farnell 195-110	4K7 SMD Resistor, 0.063W, 0402	1							-
R197 R199 R201	Farnell 911-161	270R SMD Resistor, 0.063W, 0603	3							-
R198 R200 R202	Rohm MCR03EZHJ181	180R SMD Resistor, 0.1W, 0603	3							-
R217-219 R222-224	Farnell 911-318	4K7 SMD Resistor, 0.063W, 0603	6							-
R225	Farnell 194-918	100R SMD Resistor, 0.063W, 0402,5%	1							-
R227	Rohm MCR03EZHJ220	22R SMD Resistor, 0.063W, 0603	1							-
R238	Farnell 911-033	22R SMD Resistor, 0.063W, 0603	1							-
R239-242	Farnell 613-459	1M0 SMD Resistor, 0.1W, 0805	4							-
R243	Farnell 360-3209	100R SMD Resistor, 0.063W, 0402	1							-
R244-249	Farnell 911-057	33R SMD Resistor, 0.063W, 0603	6							-
RN1 RN2 RN41 RN44 RN48 RN50	Farnell 776-660	220R, ARC241, 4-isolated Resistors, 0.062W	6							-
RN3-14	Farnell 307-0153	270R, ARC241, 4-isolated Resistors, 0.062W	12							-
RN15-18	Farnell 776-762	10K, ARC241, 4-isolated Resistors, 0.062W	4							-
RN19-22	Farnell 776-683	470R, ARC241, 4-isolated Resistors, 0.062W	4							-
RN23 RN24 RN29	Farnell 307-0165	390R, ARC241, 4-isolated Resistors, 0.062W	3							-
RN25-28 RN30-35 RN40 RN42 RN43 RN45 RN46	Farnell 776-749	4K7, ARC241, 4-isolated Resistors, 0.062W	15							-

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RN36-39	Farnell 776-701	1K, ARC241, 4-isolated Resistors, 0.062W	4							-
RN47 RN49	Farnell 776-658	150R, ARC241, 4-isolated Resistors, 0.062W	2							-
RN51 RN52	Farnell 776-804	47K, ARC241, 4-isolated Resistors, 0.062W	2							-
SK1 SK15	Lemo EPG.302.HLN	Lemo Socket, 2 Female PCB Mount	2							-
SK2-14	Lemo EPL.00.250.DTN	Lemo Rt-Angle Socket Size 00, PCB Mount	13							-
SW1 SW2	RS 664-389	SPST Right-Angle Momentary Switch	2							-
SW3-6 SW11	Farnell 146-199	Sealed PCB Mount Vert Rotary Hex Switch	5							Available from Farnell 146-199
SW7-10	Thomas & Betts GDH06S	6way SMD Half Pitch Switch	4							Available from Farnell 312-691
SW12	ITT Cannon KSS221G	Subminiature side-activated rt-ang SPST (NO) Momentary Switch	1							Available from Farnell 415-6250
TP1-5	Vero 20-2137D	Black 1.02mm Test Point	5							-
TR1-8	Farnell 358-010	General Purpose Switching NPN Transistor	8							-
U1 U4 U18 U31 U32	Motorola MC10H124FN	Quad TTL to ECL Translator	5							-
U2 U3 U16 U17 U34	Motorola MC10H125FN	Quad ECL to TTL Translator	5							-
U5-12 U21-29 U37 U53	TI SN74LS123D	SMD Dual Monostable	19							-
U13-15	Motorola MC10192FN	Quad Bus Driver	3							-
U19	Philips N74F14D	SMD Hex Schmitt-Trigger Inverters	1							-
U20 U30	Philips N74F74D	SMD Dual D-Type Positive-Edge Trigger Flip-Flops	2							-
U33	Philips N74F27D	Triple 3-Input NOR Gate, SOIC	1							-
U35	ECM GBS-204-80.15733-A	80.15733 MHz Crystal Clock Oscillator	1							-
U36 U42-45 U50 U51 U56	Philips 74ABT541D	SMD Octal Buffer, 3-state	8							-
U38 U58	ICS ICS581-02	Zero-Delay Glitch Free Clock Multiplexer	2							-
U39	Philips 74ABT04D	SMD Hex Invertors	1							-
U40 U41 U64	Philips N74ABT74D	Dual D-Type Flip-Flop	3							-
U46-48 U61-63 U69	Data Delay Devices PDU-16F-.5A4	6 Bit Programmable Delay Unit, TTL 0.5nS Steps, Gull-Wing	7							-
U49 U55 U75 U84	Philips 74LVT244AD	3-State Low Voltage Octal Buffer	4							Available from RS 197-6920
U52 U60 U68 U77 U79-81 U96	Philips 74LVT16244BDL	3.3V 16-bit Buffer/Line Driver	8							-
U54 U90	Motorola MC100ELT20D	TTL to Differential PECL Translator	2							-
U59	Xilinx XC18V04PC44C	Xilinx In-System Programmable Configuration PROM	1							-
U65	Philips N74F11D	Triple 3-Input AND Gate	1							-
U66	Philips 74ABT08D	SMD Quad 2-input AND Gate	1							-
U67	Xilinx XC2S600E-7FG456C	Xilinx Spartan-IIE 1.8V FPGA	1							-
U70	Philips 74LVT04D	Low Voltage Hex Invertors (3V3)	1							-

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U71	Newport 50A10500	Active Buffered 10-Tap, 5ns Step Delay Line	1							Available for Farnell 175-218
U72	Xilinx XC18V02PC44C	Xilinx In-System Programmable Configuration PROM	1							-
U73 U74	Euroquartz SPG8640AN	Programmable Crystal Oscillator	2							-
U76	Xilinx XC2S200E-6FG456C	Xilinx Spartan-IIE 1.8V FPGA	1							-
U78 U82	Philips 74ALVC164245DL	16-Bit Dual Supply Translating Transceiver	2							-
U83	TRACO TAM 25-2411	25W Single 5V Output DC/DC Converter	1							-
U85 U89	Philips 74ABT125D	3-State Quad Buffer	2							-
U86 U92 U100 U101 U103-105	Philips N74F541N	Octal Buffers, 3-state outputs	7							-
U87	TI SN74LS541N	Octal Buffers with 3 State Outputs	1							-
U88	Philips N74F760N	Octal Buffer (Open-Collector)	1							-
U91 U99 U102 U106	NSC 74F543PC	Octal Registered Transceiver	4							-
U93	TI SN74F38N	Quad 2 Input NAND Buffer	1							-
U94 U95	Synergy SY100E111JC	1:9 Differential Clock Driver With Enable	2							Unsocketed Device
U97 U98	Philips 74ABT574D	SMD Octal Edge Triggered D-Type Latches	2							-
U107	Motorola MC100ELT21D	Differential PECL to TTL Translator	1							-
U108	Philips 74LVC4245AD	Octal Dual Supply Translating Transceiver	1							-
VR1	NSC LP3963ES-1.8	3A Fast Ultra Low Dropout Linear Regulator	1							-
-	Rittal 3685.516	9Ux4HP Flat Front Panel	1							For Detail see Drawing A2-TE-0102-047-01-*
-	Rittal 3688.770	Injector/Extractor Handle - Top	1							-
-	Rittal 3688.771	Injector/Extractor Handle - Bottom	1							-
-	Schroff 60807-181	Front Panel Mounting Block	1							-
-	Preci-Dip 714-91-125-31-001	PCB Sockets	6							4 Rows of 25 required for Daughter Card J21 and J23, 2 Rows of 13 Required for J23
-	Harwin D01-99-03-314	Low Profile DIP Sockets	2							Required for 2 14-pin DIP chips
-	Harwin D01-99-03-320	Low Profile DIP Sockets	9							Required for 9 20-pin DIP chips
-	Harwin D01-99-03-324	Low Profile DIP Sockets	4							Required for 4 24-pin DIP chips
-	-	Stiffening Bar	3							For Detail see Drawing A2-TE-0116-005-01-*
-	-	M2.5 x 10 mm Panhead Bolts	12							-
-	-	M2.5 Washers	16							-