# ORDERING LIST for: PC3162M

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| - | PC3162M/3 | PC BOARD | 1 | | | | | | | - |
| - | VERO 953-236023K | KM6-II FRONT PANEL 9Ux4HP (VERSION 2) | 1 | | | | | | | FOR HOLE DETAILS SEE DRAWING A2-TE-0102-026-01-* |
| - | VERO 173-44797C | FRONT PANEL FIXING BLOCK | 2 | | | | | | | - |
| - | SCHROFF 60807-181 | FRONT PANEL FIXING BLOCK | 1 | | | | | | | - |
| C1-8 C11 C16 C23 C26 C34 C53-57 C59 C66 C67 C71 C72 C75-104 C107-110 C112-158 C160-165 C167-175 C177-183 C185 C187 C188 C191 C193 C195-201 C203 C205 C207 C209-214 C217-221 C223 C225-241 C243 C245-260 C262-277 C279-311 C313 | AVX-KYOCERA CM21X7R104K25VAT | 100nF SMD Capacitor, 0805 | 237 | | | | | | | Available from FARNELL 499-687 |
| C9 C13-15 C17-21 C24 C27-33 C35-49 C52 C60 C61 C63 C64 C74 C312 C314 | AVX-KYOCERA TAJB475K016R | 4.7uF SMD 16V Capacitor, Case Size B | 40 | | | | | | | Available from FARNELL 498-725 |
| C10 | AVX-KYOCERA TAJD476K016R | 47uF SMD 16V Capacitor, Case Size D | 1 | | | | | | | Available from FARNELL 498-762 |
| C12 C106 C159 C184 C186 C189 C190 C192 C194 C202 C204 C206 C208 C216 C222 C224 C242 C244 C261 C278 | AVX-KYOCERA CM21X7R474K16VAT | 470nF SMD Capacitor, 0805 | 20 | | | | | | | Available from FARNELL 578-228 |
| C22 C25 | Siemens B37940K5470J60 | 47pF SMD Capacitor, 50V, 0805 | 2 | | | | | | | Available from RS 211-3287 |
| C50 C51 C105 C111 C215 | RS 298-9258 | 100pF SMD Capacitor, 0805, COG Dielectric, 100V | 5 | | | | | | | - |
| C58 | Farnell 912-967 | 1000uF 16V Axial Electrolytic | 1 | | | | | | | - |
| C62 C65 | AVX-KYOCERA 08055C103KAT00J | 10nF SMD Capacitor, 0805 | 2 | | | | | | | Available from FARNELL 499-225 |
| C68-70 C73 | Farnell 920-460 | 470uF 16V Electrolytic | 4 | | | | | | | - |
| C166 | Panasonic ECHU1H101GB5 | 100pF SMD Capacitor, 0805 | 1 | | | | | | | Available from FARNELL 550-371 |
| C176 | AVX-KYOCERA CM21X7R334K16VAT | 330nF SMD Capacitor, 0805 | 1 | | | | | | | Available from FARNELL 578-216 |
| D1 | Farnell 368-106 | 1N4148PS, Small Signal Diode | 1 | | | | | | | - |
| 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 | | | | | | | - |

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|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | | | | | - |
| FS1-3 | RS 344-5096 | 5A SMD Fuse in Holder, OMF63 Series | 3 | | | | | | | Order Fuseholder RS 167-5194 |
| FS4 FS5 | RS 344-5103 | 10A SMD Fuse in Holder, OMF63 Series | 2 | | | | | | | Order Fuseholder RS 167-5194 |
| J1-3 | Harting 02011602101 | 160way Rt-Ang Plug Har-Bus 64 System | 3 | | | | | | | Available from RS 235-6406 |
| J4 | 3M 2510-6002UN | 10way vert IDC hdr for J-TAG ISP port | 1 | | | | | | | - |
| JAUX | Erni(Stuc3) 30-M-ABC | 30way Rt-Ang PCB Plug | 1 | | | | | | | - |
| LK1 LK3-7 PL20 PL121 PL172 | Harwin M20-999 03 05 | Harwin Straight 3 pin Header | 9 | | | | | | | Can be cut from M20-999 36 05 |
| LK2 | Harwin M20-999 04 05 | Harwin Straight 4 pin Header | 1 | | | | | | | Can be cut from M20-999 36 05 |
| LK8 LK11 LK13 LK14 | Comatel 3000500 | 2 pin 0.6 inch pitch Jumper | 4 | | | | | | | - |
| PL1 | 3M 3408-D303 | 32-Pin Condo double-header, PCB RT-ANG | 1 | | | | | | | - |
| PL2-5 PL71 PL122-140 PL171 PL176-179 PL184-187 PL198 | Harwin M20-999 20 05 | Harwin Straight 1 pin Header | 34 | | | | | | | Can be cut from M20-999 20 05 |
| PL10-15 PL37 PL42 PL47-50 PL84 PL141-156 PL159-161 PL163-170 PL173-175 PL180 PL181 PL188 PL189 PL197 | Harwin M20-999 02 05 | Harwin Straight 2 pin Header | 48 | | | | | | | Can be cut from M20-999 36 05 |
| R1 R2 R6-37 R49 R50 R54-57 R117-120 | Farnell 613-058 | 470R SMD Resistor, 0.1W, 0805 | 44 | | | | | | | - |
| R3 | Farnell 613-034 | 330R SMD Resistor, 0.1W, 0805 | 1 | | | | | | | - |
| R4 R48 R51-53 R63-69 R101 R102 R105-107 | Farnell 613-095 | 1K0 SMD Resistor, 0.1W, 0805 | 17 | | | | | | | - |
| R5 | Farnell 613-071 | 680R SMD Resistor, 0.1W, 0805 | 1 | | | | | | | - |
| R38-45 | Farnell 612-947 | 56R SMD Resistor, 0.1W, 0805 | 8 | | | | | | | - |
| R46 R47 R113 R114 | Farnell 612-972 | 100R SMD Resistor, 0.1W, 0805 | 4 | | | | | | | - |
| R58-60 R70-72 R74 R75 R77 R78 R80-89 R91 R93-96 R98-100 R108 | Farnell 613-290 | 47K SMD Resistor, 0.1W, 0805 | 29 | | | | | | | - |
| R61 | Farnell 612-996 | 150R SMD Resistor, 0.1W, 0805 | 1 | | | | | | | - |
| R62 | Farnell 613-010 | 220R SMD Resistor, 0.1W, 0805 | 1 | | | | | | | - |
| R73 R76 R79 R90 R92 R97 R111 R112 R125-130 | Farnell 613-174 | 4.7K SMD Resistor, 0.1W, 0805 | 14 | | | | | | | - |
| R103 R104 R109 | Farnell 613-022 | 270R SMD Resistor, 0.1W, 0805 | 3 | | | | | | | - |
| R110 | Farnell 347-681 | 100K, 3266W Variable Resistor, 0.25W | 1 | | | | | | | - |
| R115 R116 R121-124 | Farnell 613-216 | 10K SMD Resistor, 0.1W, 0805 | 6 | | | | | | | - |

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|---|---|---|---|---|---|---|---|---|---|---|
| RN1-4 RN6 RN9 RN33-36 RN41-44 | Farnell 776-749 | 4K7, ARC241, 4-isolated Resistors, 0.062W | 14 | | | | | | | - |
| RN5 | Farnell 149-011 | 100R, 8-isolated Resistors, 2.25W | 1 | | | | | | | - |
| RN7 RN8 RN28 RN29 | Farnell 776-683 | 470R, ARC241, 4-isolated Resistors, 0.062W | 4 | | | | | | | - |
| RN10 RN27 RN30 | Farnell 307-0165 | 390R, ARC241, 4-isolated Resistors, 0.062W | 3 | | | | | | | - |
| RN11-22 | Farnell 307-0153 | 270R, ARC241, 4-isolated Resistors, 0.062W | 12 | | | | | | | - |
| RN23-26 | Farnell 776-762 | 10K, ARC241, 4-isolated Resistors, 0.062W | 4 | | | | | | | - |
| RN37-40 | Farnell 776-701 | 1K, ARC241, 4-isolated Resistors, 0.062W | 4 | | | | | | | - |
| SK1 SK10 | Lemo EPG.302.HLN | Lemo Socket, 2 Female PCB Mount | 2 | | | | | | | - |
| SK2-9 SK11-15 | 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 | Farnell 146-199 | Sealed PCB Mount Vert Rotary Hex Switch | 4 | | | | | | | Available from Farnell 146-199 |
| SW8-11 | Thomas & Betts GDH06S | 6way SMD Half Pitch Switch | 4 | | | | | | | Available from Farnell 312-691 |
| TR1-8 | Farnell 358-010 | General Purpose Switching NPN Transistor | 8 | | | | | | | - |
| U1 | NSC 74F14PC | Hex Schmitt-Trigger Inverters | 1 | | | | | | | - |
| U2 U3 | Motorola MC10H125P | Quad ECL to TTL Translator | 2 | | | | | | | - |
| U4 U19 U20 | Motorola MC10H124P | Quad TTL to ECL Translator | 3 | | | | | | | - |
| U5 U17 U18 | Motorola MC10192P | Quad Bus Driver | 3 | | | | | | | - |
| U6 U7 U15 | Motorola MC10125P | Quad ECL to TTL Translator | 3 | | | | | | | - |
| U8-10 U21-23 U27-31 U33-37 | TI SN74LS123D | SMD Dual Monostable | 16 | | | | | | | - |
| U11 U81 | TI SN74LS541N | Octal Buffers with 3 State Outputs | 2 | | | | | | | - |
| U12 | Newport 50A10500 | Active Buffered 10-Tap, 5ns Step Delay Line | 1 | | | | | | | Available for Farnell 175-218 |
| U13 | TI SN74123N | Dual Monostable | 1 | | | | | | | - |
| U14 U41 | NSC 74F74SC | SMD Dual D-Type Positive-Edge Trigger Flip-Flops | 2 | | | | | | | - |
| U16 U24 | Motorola MC10124P | Quad TTL to ECL Translator | 2 | | | | | | | - |
| U25 U26 | Euroquartz SPG8640AN | Programmable Crystal Oscillator | 2 | | | | | | | - |
| U32 U38 U43 U54 U59 U71 U72 U76 | VANTIS M5-384/184-7HC | High Density PLD | 8 | | | | | | | - |
| U39 | VANTIS M5-512/256-7AC | High Density PLD | 1 | | | | | | | - |
| U40 | ECM GBS-204-80.16-C | 80.16MHz Crystal Clock Oscillator | 1 | | | | | | | - |
| U42 U87 U90-92 U96 U97 | NSC 74F541PC | Octal Buffers, 3-state outputs | 7 | | | | | | | - |
| U44 U79 | Philips N74F541N | Octal Buffers, 3-state outputs | 2 | | | | | | | - |
| U45 | Philips 74ABT04N | Hex Invertors | 1 | | | | | | | - |
| U46 U68 | Philips N74ABT74N | Dual D-Type Flip-Flop | 2 | | | | | | | - |

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|---|---|---|---|---|---|---|---|---|---|---|
| U47 U48 | IDT IDT71256SA12Y | 256k CMOS SRAM (32k x 8bit) | 2 | | | | | | | - |
| U49-53 U60 U62 U63 | Philips 74ABT541N | Octal Buffer, 3-state | 8 | | | | | | | - |
| U55 U57 U58 U66 U67 U69 U73 | Data Delay Devices PDU-16F-.5A4 | 6 Bit Programmable Delay Unit, TTL 0.5nS Steps, Gull-Wing | 7 | | | | | | | - |
| U56 | Philips 74LVT244AD | 3-State Low Voltage Octal Buffer | 1 | | | | | | | Available from RS 197-6920 |
| U61 U83 | Motorola MC100ELT20D | TTL to Differential PECL Translator | 2 | | | | | | | - |
| U64 U65 | IDT IDT723611L15PF | CMOS 64 x 36 Synchronous FIFO | 2 | | | | | | | - |
| U70 | NSC 74F11PC | Triple 3-Input AND Gate | 1 | | | | | | | - |
| U74 | Philips 74ABT08N | Quad 2-input AND Gate | 1 | | | | | | | - |
| U75 U99 | Philips 74ABT125D | 3-State Quad Buffer | 2 | | | | | | | - |
| U77 | VANTIS M4-256-128-7YC | High Density PLD | 1 | | | | | | | - |
| U78 | TRACO TAM 25-2411 | 25W Single 5V Output DC/DC Converter | 1 | | | | | | | - |
| U80 | Philips N74F760N | Octal Buffer (Open-Collector) | 1 | | | | | | | - |
| U82 | Philips N74LS541N | Octal Buffers with 3 State Outputs | 1 | | | | | | | - |
| U84 U85 | NSC 74F543PC | Octal Registered Transceiver | 2 | | | | | | | - |
| U86 | TI SN74F38N | Quad 2 Input NAND Buffer | 1 | | | | | | | - |
| U88 U89 | Synergy SY100E111JC | 1:9 Differential Clock Driver With Enable | 2 | | | | | | | Unsocketed Device |
| U93 | Philips 74LVT16244BDL | 3.3V 16-bit Buffer/Line Driver | 1 | | | | | | | - |
| U94 U95 | Philips 74ABT574D | SMD Octal Edge Triggered D-Type Latches | 2 | | | | | | | - |
| U98 | Motorola MC100ELT21D | Differential PECL to TTL Translator | 1 | | | | | | | - |
| - | PRECI-DIP 714-91-125-41-014 | PCB CONNECTOR SOCKET | 4 | | | | | | | 4 ROWS OF 25 REQUIRED FOR DAUGHTER CARD |
| - | HARWIN D01-99-03-314 | HARWIN ULTRA LOW-PROFILE SOCKETS | 8 | | | | | | | REQUIRED FOR 8 14-PIN DIPS |
| - | HARWIN D01-99-03-316 | HARWIN ULTRA LOW-PROFILE SOCKETS | 17 | | | | | | | REQUIRED FOR 17 16-PIN DIPS |
| - | HARWIN D01-99-03-320 | HARWIN ULTRA LOW-PROFILE SOCKETS | 21 | | | | | | | REQUIRED FOR 21 20-PIN DIPS |
| - | HARWIN D01-99-03-324 | HARWIN ULTRA LOW-PROFILE SOCKETS | 8 | | | | | | | REQUIRED FOR 8 24-PIN DIPS |