

Stage 1 [ES24 - Programmer Extension Component Kit]

| Item | Description | Qty | Designator | Package |
|------|-------------------------------------|-----|------------------------------|------------|
| | CAPACITOR | | | |
| 1 | 470pF 10% Ceramic | 1 | C101 | RAD-0.2N |
| 2 | 10nF 63V Polyester | 1 | C102 | RAD-0.2 |
| 3 | 22nF 63V Polyester | 1 | C103 | RAD-0.2 |
| | | | | |
| | CONNECTOR | | | |
| 4 | 1x4 Pin 16mm Header | 2 | S102, S103 | - |
| 5 | 1x3 Pin 16mm Header | 1 | S101 | - |
| 6 | IDC20 RA Box Header | 1 | J201 | - |
| | | | | |
| | DIODE | | | |
| 7 | 1N4148 | 5 | D101, D102, D104, D105, D106 | DIODE-0.3 |
| | | | | |
| | HARDWARE | | | |
| 8 | SLEEVING - 2.4mm Heatshrink [@ 1cm] | 3 | D103^3 | - |
| 9 | Ferrule Terminal - DUCE7575 | 6 | S102^3, S103^3 | - |
| 10 | Equipment Wire 7/0.2 Black [@ 1cm] | 4 | D103^4 | - |
| 11 | Equipment Wire 7/0.2 Red [@ 1cm] | 4 | D103^4 | - |
| | | | | |
| | OPTO-ELECTRONIC | | | |
| 12 | 3mm HE-Yellow LED | 1 | D103 | - |
| | | | | |
| | POTENTIOMETER | | | |
| 13 | 100KB LIN - 18T Spline | 3 | P101, P102, P103 | ALPHA 16MM |
| | | | | |
| | RESISTOR | | | |
| 14 | 1K0 1% 0.5W Metal Film | 1 | R112 | AXIAL-0.4 |
| 15 | 1K2 1% 0.5W Metal Film | 1 | R110 | AXIAL-0.4 |
| 16 | 1K3 1% 0.5W Metal Film | 1 | R111 | AXIAL-0.4 |
| 17 | 47K 1% 0.5W Metal Film | 3 | R101, R102, R109 | AXIAL-0.4 |
| 18 | 100K 1% 0.5W Metal Film | 1 | R104 | AXIAL-0.4 |
| 19 | 150K 1% 0.5W Metal Film | 3 | R105, R106, R108 | AXIAL-0.4 |
| | | | | |

Stage2 [ES24 - Programmer Extension Component Kit]

| Item | Description | Qty | Designator | Package |
|------|-------------------------------------|-----|------------------------------|------------|
| | CAPACITOR | | | |
| 1 | 470pF 10% Ceramic | 1 | C101 | RAD-0.2N |
| 2 | 10nF 63V Polyester | 1 | C102 | RAD-0.2 |
| 3 | 22nF 63V Polyester | 1 | C103 | RAD-0.2 |
| | | | | |
| | CONNECTOR | | | |
| 4 | 1x4 Pin 16mm Header | 2 | S102, S103 | - |
| 5 | 1x3 Pin 16mm Header | 1 | S101 | - |
| 6 | IDC20 RA Box Header | 1 | J201 | - |
| | | | | |
| | DIODE | | | |
| 7 | 1N4148 | 5 | D101, D102, D104, D105, D106 | DIODE-0.3 |
| | | | | |
| | HARDWARE | | | |
| 8 | SLEEVING - 2.4mm Heatshrink [@ 1cm] | 3 | D103^3 | - |
| 9 | Ferrule Terminal - DUCE7575 | 6 | S102^3, S103^3 | - |
| 10 | Equipment Wire 7/0.2 Black [@ 1cm] | 4 | D103^4 | - |
| 11 | Equipment Wire 7/0.2 Red [@ 1cm] | 4 | D103^4 | - |
| | | | | |
| | OPTO-ELECTRONIC | | | |
| 12 | 3mm HE-Yellow LED | 1 | D103 | - |
| | | | | |
| | POTENTIOMETER | | | |
| 13 | 100KB LIN - 18T Spline | 3 | P101, P102, P103 | ALPHA 16MM |
| | | | | |
| | RESISTOR | | | |
| 14 | 1K0 1% 0.5W Metal Film | 1 | R112 | AXIAL-0.4 |
| 15 | 1K2 1% 0.5W Metal Film | 1 | R110 | AXIAL-0.4 |
| 16 | 1K3 1% 0.5W Metal Film | 1 | R111 | AXIAL-0.4 |
| 17 | 47K 1% 0.5W Metal Film | 3 | R101, R102, R109 | AXIAL-0.4 |
| 18 | 100K 1% 0.5W Metal Film | 1 | R104 | AXIAL-0.4 |
| 19 | 150K 1% 0.5W Metal Film | 3 | R105, R106, R108 | AXIAL-0.4 |
| | | | | |

Stage3 [ES24 - Programmer Extension Component Kit]

| Item | Description | Qty | Designator | Package |
|------|-------------------------------------|-----|------------------------------|------------|
| | CAPACITOR | | | |
| 1 | 470pF 10% Ceramic | 1 | C101 | RAD-0.2N |
| 2 | 10nF 63V Polyester | 1 | C102 | RAD-0.2 |
| 3 | 22nF 63V Polyester | 1 | C103 | RAD-0.2 |
| | | | | |
| | CONNECTOR | | | |
| 4 | 1x4 Pin 16mm Header | 2 | S102, S103 | - |
| 5 | 1x3 Pin 16mm Header | 1 | S101 | - |
| 6 | IDC20 RA Box Header | 1 | J210 | - |
| | | | | |
| | DIODE | | | |
| 7 | 1N4148 | 5 | D101, D102, D104, D105, D106 | DIODE-0.3 |
| | | | | |
| | HARDWARE | | | |
| 8 | SLEEVING - 2.4mm Heatshrink [@ 1cm] | 3 | D103^3 | - |
| 9 | Ferrule Terminal - DUCE7575 | 6 | S102^3, S103^3 | - |
| 10 | Equipment Wire 7/0.2 Black [@ 1cm] | 4 | D103^4 | - |
| 11 | Equipment Wire 7/0.2 Red [@ 1cm] | 4 | D103^4 | - |
| | | | | |
| | OPTO-ELECTRONIC | | | |
| 12 | 3mm HE-Yellow LED | 1 | D103 | - |
| | | | | |
| | POTENTIOMETER | | | |
| 13 | 100KB LIN - 18T Spline | 3 | P101, P102, P103 | ALPHA 16MM |
| | | | | |
| | RESISTOR | | | |
| 14 | 1K0 1% 0.5W Metal Film | 1 | R112 | AXIAL-0.4 |
| 15 | 1K2 1% 0.5W Metal Film | 1 | R110 | AXIAL-0.4 |
| 16 | 1K3 1% 0.5W Metal Film | 1 | R111 | AXIAL-0.4 |
| 17 | 47K 1% 0.5W Metal Film | 3 | R101, R102, R109 | AXIAL-0.4 |
| 18 | 100K 1% 0.5W Metal Film | 1 | R104 | AXIAL-0.4 |
| 19 | 150K 1% 0.5W Metal Film | 3 | R105, R106, R108 | AXIAL-0.4 |
| | | | | |

Stage 4 [ES24 - Programmer Extension Component Kit]

| Item | Description | Qty | Designator | Package |
|------|-------------------------------------|-----|------------------------------|------------|
| | CAPACITOR | | | |
| 1 | 470pF 10% Ceramic | 1 | C101 | RAD-0.2N |
| 2 | 10nF 63V Polyester | 1 | C102 | RAD-0.2 |
| 3 | 22nF 63V Polyester | 1 | C103 | RAD-0.2 |
| | | | | |
| | CONNECTOR | | | |
| 4 | 1x4 Pin 16mm Header | 2 | S102, S103 | - |
| 5 | 1x3 Pin 16mm Header | 1 | S101 | - |
| 6 | IDC20 RA Box Header | 1 | J201 | - |
| | | | | |
| | DIODE | | | |
| 7 | 1N4148 | 5 | D101, D102, D104, D105, D106 | DIODE-0.3 |
| | | | | |
| | HARDWARE | | | |
| 8 | SLEEVING - 2.4mm Heatshrink [@ 1cm] | 3 | D103^3 | - |
| 9 | Ferrule Terminal - DUCE7575 | 6 | S102^3, S103^3 | - |
| 10 | Equipment Wire 7/0.2 Black [@ 1cm] | 4 | D103^4 | - |
| 11 | Equipment Wire 7/0.2 Red [@ 1cm] | 4 | D103^4 | - |
| | | | | |
| | OPTO-ELECTRONIC | | | |
| 12 | 3mm HE-Yellow LED | 1 | D103 | - |
| | | | | |
| | POTENTIOMETER | | | |
| 13 | 100KB LIN - 18T Spline | 3 | P101, P102, P103 | ALPHA 16MM |
| | | | | |
| | RESISTOR | | | |
| 14 | 1K0 1% 0.5W Metal Film | 1 | R112 | AXIAL-0.4 |
| 15 | 1K2 1% 0.5W Metal Film | 1 | R110 | AXIAL-0.4 |
| 16 | 1K3 1% 0.5W Metal Film | 1 | R111 | AXIAL-0.4 |
| 17 | 47K 1% 0.5W Metal Film | 3 | R101, R102, R109 | AXIAL-0.4 |
| 18 | 100K 1% 0.5W Metal Film | 1 | R104 | AXIAL-0.4 |
| 19 | 150K 1% 0.5W Metal Film | 3 | R105, R106, R108 | AXIAL-0.4 |
| | | | | |

