

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	IDC20 RA Box Header	1	J201	-
5	1x3 Pin 16mm Header	1	S101	-
6	1x4 Pin 16mm Header	2	S102, S103	-
	DIODE			
7	1N4148	5	D101, D102, D104, D105, D106	DIODE-0.3
	HARDWARE			
8	Ferrule Terminal - DUCE7575	6	S102^3, S103^3	-
9	SLEEVING - 2.4mm Heatshrink [@ 1cm]	3	D103^3	-
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	IDC20 RA Box Header	1	J201	-
5	1x3 Pin 16mm Header	1	S101	-
6	1x4 Pin 16mm Header	2	S102, S103	-
	DIODE			
7	1N4148	5	D101, D102, D104, D105, D106	DIODE-0.3
	HARDWARE			
8	Ferrule Terminal - DUCE7575	6	S102^3, S103^3	-
9	SLEEVING - 2.4mm Heatshrink [@ 1cm]	3	D103^3	-
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	IDC20 RA Box Header	1	J210	-
5	1x3 Pin 16mm Header	1	S101	-
6	1x4 Pin 16mm Header	2	S102, S103	-
	DIODE			
7	1N4148	5	D101, D102, D104, D105, D106	DIODE-0.3
	HARDWARE			
8	Ferrule Terminal - DUCE7575	6	S102^3, S103^3	-
9	SLEEVING - 2.4mm Heatshrink [@ 1cm]	3	D103^3	-
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	IDC20 RA Box Header	1	J201	-
5	1x3 Pin 16mm Header	1	S101	-
6	1x4 Pin 16mm Header	2	S102, S103	-
	DIODE			
7	1N4148	5	D101, D102, D104, D105, D106	DIODE-0.3
	HARDWARE			
8	Ferrule Terminal - DUCE7575	6	S102^3, S103^3	-
9	SLEEVING - 2.4mm Heatshrink [@ 1cm]	3	D103^3	-
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

