

Bill of Materials for ES02 - Preamp Detector Component Kit V0.0

Item	Description	Qty	Designator	Package
CAPACITOR				
1	33pF 5% Ceramic	2	C202, C205	RAD-0.2N
2	82pF 5% Ceramic	1	C104	RAD-0.2N
3	10nF 63V Polyester	2	C101, C204	RAD-0.2
4	100nF Ceramic Capacitor	6	C303, C304, C305, C306, C307, C308	RAD-0.2N
5	100nF 63V Polyester	1	C201	RAD-0.2
6	470nF 63V Polyester	1	C203	RAD-0.2X
7	10uF 35V Electrolytic	4	C102, C103, C301, C302	RB-D5.0-P2.0
CONNECTOR				
8	1x4 Pin 20mm Header	2	J102, J202	-
9	IDC16 Box Header	1	J301	2.54MM
10	8-pin IC Socket 0.3inch	3	U101, U102, U201	DIP-8
DIODE				
11	1N4148	2	D201, D202	DIODE-0.3
HARDWARE				
12	9mm Earth Tag	1	PANEL_GND	-
LINEAR				
13	NE5532 - Dual Low-Noise Opamp	1	U101	DIP-8
14	LF353 - Dual JFET Opamp	2	U102, U201	DIP-8
INDUCTOR				
15	Ferrite Bead - 0.45uH 7A	2	L301, L302	-
POTENTIOMETER				
16	100KB LIN - 18T Spline	1	P101	ALPHA 16MM
RESISTOR				
17	47R 1% 0.5W Metal Film	1	R108	AXIAL-0.4
18	100R 1% 0.5W Metal Film	1	R112	AXIAL-0.4

