

ES25 - Touch Responsive Keyboard Full Kit

Item	Description	Qty	Designator	Package
HARDWARE				
1	M3 x 6mm Bolt PH	4		-
2	M3 x 10mm Bolt PH	4		-
KITS				
3	ES25 - Touch Keyboard PCB/Panel Set V0.0	1		-
4	ES25 - Touch Responsive Keyboard Hardware Kit V0.0	1		-
5	ES25 - Touch Responsive Keyboard Component Kit V0.0	1		-

Column 3 [ES25 - Touch Responsive Keyboard Component Kit]

Item	Description	Qty	Designator	Package
CONNECTOR				
1	IDC16 RA Box Header	1	J6	2.54MM
OPTO-ELECTRONIC				
2	3mm HE-Yellow LED	5	LED1, LED2, LED3, LED4, LED5	-

Main [ES25 - Touch Responsive Keyboard Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	100nF Ceramic	2	C902, C903	RAD-0.2N
2	2.2uF 35V Tantalum	1	C904	RB-D5.0-P5.0
3	10uF 35V Electrolytic	1	C901	RB-D5.0-P2.0
	CONNECTOR			
4	IDC16 Receptacle	4	J101, J201, J301, J401	2.54MM
5	IDC10 Box Header	1	J901	2.54MM
6	14-pin IC Socket 0.3inch	2	U101, U701	DIP-14
	DIODE			
7	1N4004 200V 1A	1	D901	DIODE-0.4
8	1N4148	17	D101, D102, D201, D202, D301, D302, D401, D402, D501, D502, D601, D602, D701, D702, D801, D802, D902	DIODE-0.3
	LINEAR			
9	7805 +5V 1A Fixed Voltage Regulator	1	U901	TO-220
	INDUCTOR			
10	Ferrite Bead - 0.45uH 7A	1	L901	AXIAL-0.3
	LOGIC			
11	74HC14 - Hex Schmitt Trigger	2	U101, U701	DIP-14
	RESISTOR			
12	330R 1% 0.5W Metal Film	8	R105, R205, R305, R405, R505, R605, R705, R805	AXIAL-0.4
13	820R 1% 0.5W Metal Film	9	R104, R204, R304, R404, R504, R604, R704, R804, R904	AXIAL-0.4
14	1K0 1% 0.5W Metal Film	9	R103, R203, R303, R403, R503, R603, R703, R803, R903	AXIAL-0.4
15	22K 1% 0.5W Metal Film	8	R101, R201, R301, R401, R501, R601, R701, R801	AXIAL-0.4
16	270K 1% 0.5W Metal Film	9	R102, R202, R302, R402, R502, R602, R702, R802, R902	AXIAL-0.4
17	1M0 1% 0.5W Metal Film	1	R901	AXIAL-0.4
18	4 x 10K Commoned Resistor Network	1	RN902	SIP-5

Column 1 [ES25 - Touch Responsive Keyboard Hardware Kit]

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	3.5mm Mono PCB Socket - Yellow	3	J1, J2, J3	-
	OPTO-ELECTRONIC			
2	3mm Clear Lens Mount	3	LED1, LED2, LED3	-

Column 3 [ES25 - Touch Responsive Keyboard Hardware Kit]

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	3.5mm Mono PCB Socket - Yellow	5	J1, J2, J3, J4, J5	-
	OPTO-ELECTRONIC			
2	3mm Clear Lens Mount	5	LED1, LED2, LED3, LED4, LED5	-

ES25 - Touch Keyboard PCB/Panel Set

Item	Description	Qty	Designator	Package
	PANEL			
1	ES25 - Touch Keyboard Front Panel A	1		-
	PCB			
2	ES25 - Touch Keyboard Main PCB V0.0	1		-
3	ES21 - 10-Step Sequencer Support Board V0.2	3		-
4	ES25 - Touch Keyboard Column 1 PCB V0.4	1		-
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