

Adapter Raspberry Pi to Shield NCS3XX v1.0 14.05.2018

Designator	Quantity	Value	PackageReference	Comment
X1	1	PBD-40	PBD-40	PBD-40_Mir
U2	1	TXS0108EPWR	TSSOP-20	Level Converter
U1	1	RT8258 )	SOT23-6	DC-DC Converter (or Opt: LMR12010, LMR12007, MCP16301)
R6	1	18.2k	0805	Resistor
R5	1	95.3k	0805	Resistor
R4	1	1k	0805	1k
R2	1	10K Opt	0805	10K Opt 0805
R1, R3	2	0 ohm	1206	0 ohm
PWR1	1	PBS-6	PBS-6	Connector
L1	1	22uH 2A	SMD 10.8x10.8mm	Inductor
J1	1	DJK-02A	5.5x2.1mm	Power Connector
DG3	1	PBS-4	PBS-4	Connector
DG2	1	PBS-8	PBS-8	Connector
DG1	1	PBS-10	PBS-10	Connector
D5	1	1N4148 Opt	SOD-80C	DL4148
D4	1	SMAJ18CA	SMA	SMAJ18CA
D2	1	LED Red	1206	LED Red. Power indicator
D1, D3	2	SS26	SMA	Diode Schottky
C6, C7	2	100nF 50V	0805	Capacitor ceramic
C3	1	10nF 50V	0805	Capacitor ceramic
C1, C2, C4, C5	4	10uF 16V	0805	Capacitor ceramic
AN1	1	PBS-6	PBS	Connector