



Bill of Materials for the NS5S1153MUGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	NS5S1153	-	-	UQFN10	ON Semiconductor	NS5S1153	NO	YES
C1	1	Ceramic Capacitor SMD	1 μ f	10%	0805	Kemet	C0805C105K9PACTU	YES	YES
C2	1	Ceramic Capacitor SMD	0.01 μ f	10%	0402	Murata	GRM155R60J103KA01D	YES	YES
D1, D2, D3, D4, D5,	6	5V Bi-Directional TVS	-	-	DSN2	ON Semiconductor	ESD11N5	NO	YES
TP3, TP4, TP5, TP6,	7	Test Point PC Multi Purpose	-	-	TP1	Keystone Electronics	5010	YES	YES
VCC, GND	2	Banana Connector	-	-	7 mm Hole	johnson Components	111-2223-001	YES	YES
Vbus_Ctrl, Ase1	2	50pin Modular 2pin header	-	-	Header3	Tyco Electronics	5-826629-0	YES	YES
Input J1	1	USB TypeA Connector	-	-	USB TypeA	Mill-Max	896-43-004-00-000000	YES	YES
USB J3	1	USB TypeB Connector	-	-	USB TypeB	Adam tech	USB-B-S-RA	YES	YES
Audio J2	1	Stereo Audio Jack Connector	-	-	PHONO_S	CUI Inc	SJ-3523-SMT	YES	YES
GND BAR	1	PCB Shorting Link	-	-	GND_Strap	Harwin	D3082-46	YES	YES
PCB	1	55 x 40 mm 2 Layers	-	-	-	Any	NS5S1153MUGEVB	YES	YES