

NINscope PartList

5-3-2019

NINscope

Part	Type	quantity	Order code	Supplier	manufacture	Manufact part number	Specification
Image board	PCB	1					https://github.com/ninscope/Hardware/tree/master/ImageBoardv1.0
Interface board	PCB	1					https://github.com/ninscope/Hardware/tree/master/InterfaceBoardv1.0
Optic shaft	3D Print	1					
House of Electronics	3D Print	1					
LED Cap	3D Print	1					
Dichroic mirror	mirror	1	T495lpxr	Chroma	Chroma	T495lpxr	3.5 x 5 x 0.5mm
Excitation	filter	1	ET470/40x	Chroma	Chroma	ET470/40x	3.5 x 3.5 x 0.5mm
Emission filter	filter	1	ET525/50m	Chroma	Chroma	ET525/50m	4 x 4 x 1mm
Half Ball	lens	1	47-269	Edmund Optics	Edmund Optics	47-269	3 mm diameter
plano-convex lens	lens	1	45-429	Edmund Optics	Edmund Optics	45-429	4.0mm diameter / 10.0mm focal length
optical adhesive	adhesive	1			Norland Products	NOA81	
GRIN lens	lens	1			Edmund Optics		
Base plate	ALU CNC	1					
Set Screws	screws	2			Jeveka	913000100016003	M1,6 x3
LED	SMD	1	768-2340	RS-Components	Lumileds	LXML-PB02	470 nm Blue High-Power LED
Coax 38 AWG	Wire	~ 70 cm	A9438W-328-ND	Digi-Key	Alpha Wire	9438 WH033	
Coax 36 AWG	Wire	~ 10 cm	A9436W-328-ND	Digi-Key	Alpha Wire	9436 WH033	
Coax FEP VMTX Mini	Wire	250 cm	2696161	Farnell	Pro Power	PP000843	1.17mm FEP mm
Strong yarn	yarn	50 cm					
SMA Patch (male end)	cable	1	2096227	Farnell	LPRS	RG174 150MM	
Heatshrink	1.0/0.5	~ 20 cm					
Heatshrink	1.5/0.75	~ 10 cm					
Heatshrink	3.2/1.6	~ 5 cm					
Connector male	1.27mm pitch	1	ED8250-ND		Mill-Max	850-10-050-10-001000	1.27mm pitch
Connector female	1.27mm pitch	1	ED90265-ND		Mill-Max	851-43-050-10-001000	1.27mm pitch
Wire	0.25mm	~ 10 cm					
Quick Set Epoxy	Epoxy glue		RS 132-605	RS-Components	RS-Components		

DAQ parts

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Jumpers	SPC19808	6	2579721	Farnell	MultiComp	SPC19808	
SMA Patch (female end)	cable	1	2096227	Farnell	LPRS	RG174 150MM	2 Ways, 2.54 mm
EEProm	M24M02	1	2849970	Farnell	ST	M24M02-DRMN6TP	Serial I2C (2-Wire), 2 Mbit, 256K x 8bit, 1 MHz, SOIC, 8 Pins
IC Adapter	RE899	1	2474677	Farnell	ROTH Elektronik	RE899	SOIC/SOP-8, 2.54mm Pitch Spacing, 7.62mm Row Pitch
Connector	2212S-02SG-85	2	1593458	Farnell	MultiComp	2212S-02SG-85	2.54 mm, 2 Contacts, Receptacle,
Connector	2.54mm 50 way	1	162-1625	RS-components	TE Connectivity	5-825433-0	2.54mm Pitch, 50 Way, 1 Row, Straight
DAQ UCLA PCB v3.2	PCB	1					https://github.com/daharoni/Miniscope_DAQ_PCB/tree/master/v3_2
DAQ Enclosure top	3D Print	1					https://github.com/daharoni/Miniscope_DAQ_PCB/tree/master/v3_2
DAQ Enclosure Bottom	3D Print	1					https://github.com/daharoni/Miniscope_DAQ_PCB/tree/master/v3_2