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2021-01-28 12:25:09 PM

Eeschema (5.1.6)-1

Component Count:72

Ref	Qty	Value	Part	Datasheet
C201	1	0.33uF	Device:C	https://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GRM188R61A106KE69-01.pdf
C202	1	0.01uF	Device:C	https://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GRM188R61A106KE69-01.pdf
C203, C204, C305, C405, C406, C407	6	1uF	Device:C	https://product.tdk.com/info/en/catalog/datasheets/mlcc_commercial_lowprofile_en.pdf
C205, C207	2	10nf	Device:C	https://content.kemet.com/datasheets/KEM_C1090_X7R_ESD.pdf
C206, C208	2	10uF	Device:C	https://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GRM188R61A106KE69-01.pdf
C301, C302	2	10pF	Device:C	https://content.kemet.com/datasheets/KEM_C1003_C0G_SMD.pdf
C303	1	100pF	Device:C	https://content.kemet.com/datasheets/KEM_C1002_X7R_SMD.pdf
C304	1	47nF	Device:C	https://content.kemet.com/datasheets/KEM_C1090_X7R_ESD.pdf
C306, C307, C308, C401, C404	5	100nF	Device:C	https://media.digikey.com/pdf/Data%20Sheets/Samsung%20PDFs/CL_Series_MLCC_ds.pdf
C402, C403	2	51pF	Device:C	https://media.digikey.com/pdf/Data%20Sheets/TDK%20PDFs/C_Series_GeneralAppl_B11.pdf
D301	1	Green	Device:LED	https://www.kingbrightusa.com/images/catalog/SPEC/APHHS1005CGCK.pdf
D401	1	850nm	Device:LED	http://www.qt-brightek.com/datasheet/QBLP650-IR3.pdf
D402	1	1050nm	Device:LED	https://www.marktechopto.com/pdf/products/datasheet/MTSM5010-843-IR.pdf
D403	1	1300nm	Device:LED	https://www.marktechopto.com/pdf/products/datasheet/MTSM0013-843-IR.pdf
D404	1	1650nm	Device:LED	https://www.marktechopto.com/pdf/products/datasheet/MTSM5016-843-IR.pdf
D405	1	White	Device:LED	http://www.farnell.com/datasheets/2699708.pdf
D406	1	940nm	Device:LED	http://www.farnell.com/datasheets/2711871.pdf
D407	1	1200nm	Device:LED	https://www.marktechopto.com/pdf/products/datasheet/MTSM0012-843-IR.pdf
D408	1	1450nm	Device:LED	https://www.marktechopto.com/pdf/products/datasheet/MTSM5014-843-IR.pdf
D409	1	SD003-151	Device:D_Photo	https://media.digikey.com/pdf/Data%20Sheets/Photonic%20Detectors%20Inc%20PDFs/SD003151-001.pdf
H201, H202, H203, H204, H301, H302,	8	MountingHole_Pad	Mechanical:MountingHole_Pad	~

H303, H304				
J201, J303	2	B4B-PH-K-S_LF__SN__	dk_Rectangular-Connectors-Headers-Male-Pins:B4B-PH-K-S_LF__SN__	http://www.jst-mfg.com/product/pdf/eng/ePH.pdf
J202, J203, J304	3	B2B-PH-K-S_LF__SN__	dk_Rectangular-Connectors-Headers-Male-Pins:B2B-PH-K-S_LF__SN__	http://www.jst-mfg.com/product/pdf/eng/ePH.pdf
J301, J302	2	FTSH-105-01-F-DV-K	dk_Rectangular-Connectors-Headers-Male-Pins:FTSH-105-01-F-DV-K	http://suddendocs.samtec.com/prints/ftsh-1xx-xx-xxx-dv-xxx-xxx-mkt.pdf
J401	1	67996-412HLF	dk_Rectangular-Connectors-Headers-Male-Pins:67996-412HLF	https://cdn.amphenol-icc.com/media/wysiwyg/files/drawing/67996.pdf
R301	1	1K	Device:R	https://www.yageo.com/upload/media/product/productsearch/datasheet/rchip/PYu-RC_Group_51_RoHS_L_11.pdf
R302, R303	2	100k	Device:R	https://www.yageo.com/upload/media/product/productsearch/datasheet/rchip/PYu-RC_Group_51_RoHS_L_11.pdf
R401, R406, R408	3	51	Device:R	https://www.yageo.com/upload/media/product/productsearch/datasheet/rchip/PYu-RC_Group_51_RoHS_L_11.pdf
R402	1	66	Device:R	https://www.yageo.com/upload/media/product/productsearch/datasheet/rchip/PYu-RC_Group_51_RoHS_L_11.pdf
R403	1	27	Device:R	https://www.yageo.com/upload/media/product/productsearch/datasheet/rchip/PYu-RC_Group_51_RoHS_L_11.pdf
R404	1	43	Device:R	https://www.yageo.com/upload/media/product/productsearch/datasheet/rchip/PYu-RC_Group_51_RoHS_L_11.pdf
R405, R407	2	47	Device:R	https://www.yageo.com/upload/media/product/productsearch/datasheet/rchip/PYu-RC_Group_51_RoHS_L_11.pdf
R409, R410	2	301	Device:R	https://www.yageo.com/upload/media/product/productsearch/datasheet/rchip/PYu-RC_Group_51_RoHS_L_11.pdf
R411, R412	2	240k	Device:R	https://www.yageo.com/upload/media/product/productsearch/datasheet/rchip/PYu-RC_Group_51_RoHS_L_11.pdf
S301	1	Scan_Button	dk_Tactile-Switches:PTS645SM43SMTR92_LFS	https://www.ckswitches.com/media/1471/pts645.pdf
U201	1	LM78L12_SO8	Regulator_Linear:LM78L12_SO8	http://www.fairchildsemi.com/ds/LM/LM78L05A.pdf
U202	1	LT1763CS8-5	LT1763CS8TR:LT1763CS8TR	https://www.analog.com/media/en/technical-documentation/data-sheets/1763fh.pdf
U203	1	LT1763CS8-3.3	LT1763CS8TR:LT1763CS8TR	https://www.analog.com/media/en/technical-documentation/data-sheets/1763fh.pdf
U301	1	STM32F051R8Tx	MCU_ST_STM32F0:STM32F051R8Tx	http://www.st.com/st-web-ui/static/active/en/resource/technical/document/datasheet/DM00039193.pdf
U401	1	OPA2376AIDR-8	Amplifier_Operational:OPA2376xxD	http://www.ti.com/lit/ds/symlink/opa376.pdf
U402	1	REF5025AD	Reference_Voltage:REF5025AD	http://www.ti.com/lit/ds/symlink/ref5030.pdf

