

DIGIT Bill of Materials, Rev 2020-1

Line #	Designator	Description	Qty.	Manufacturer	Manufacturer Part Number
1	C1, C3, C4, C6, C7, C8, C10, C11, C12, C13, C17, C19, C21, C22, C23, C25, C26	CAP 100nF 35V ±20% 0402 (1005 Metric) Thickness 0.6mm SMD	17	TDK	C1005X7R1V104M
2	C2, C5	CAP 10uF 6.3V ±20% 0402 (1005 Metric) Thickness 0.6mm SMD	2	TDK	C1005X5R0J106M050BC
3	C9, C24	CAP 4.7uF 10V ±10% 0603 (1608 Metric) Thickness 0.55mm SMD	2	KEMET	C0603C475K8PACTU
4	C14, C15	CAP 18pF 10V ±10% 0402 (1005 Metric) Thickness 0.6mm SMD	2	Vishay Vitramon	VJ0402A180KXQCW1BC
5	C16, C18, C20, C27, C28, C29, C30	CAP 1uF 6.3V ±10% 0402 (1005 Metric) Thickness 0.6mm SMD	7	Kyocera AVX	04026D105KAT2A
6	J1	Micro USB Receptacle, Type B, SMT, Vertical, with Through-Hole Shell Stakes, -30 to 85 degC, 5-Pin SMD, RoHS, Tape and Reel	1	Global Connector Technology	USB3140-30-0230-1-C
7	L1, L2, L3	3.3µH Shielded Multilayer Inductor 1.05A 250mOhm Max 0603 (1608 Metric)	3	Murata	LQM18PN3R3MGHD
8	P1	16 Position Connector Receptacle, Center Strip Contacts Surface Mount Gold	1	Hirose	DF37NB-16DS-0.4V(51)
9	Q1, Q2	Dual General Purpose Transistors, NPN, 6-Pin SOT-563, Pb-Free, Tape and Reel	2	ON Semiconductor	BC847CDXV6T1G
10	R1, R13, R14	1K 0.063W 5% 0402 (1005 Metric) SMD	3	Yageo	RC0402JR-071KL
11	R2, R3, R6	Chip Resistor, 10 KOhm, +/- 5%, 63 mW, -55 to 155 degC, 0402 (1005 Metric), RoHS, Tape and Reel	3	Rohm	MCR01MZPJ103
12	R4, R5	12K 0.063W 1% 0402 (1005 Metric) SMD	2	Yageo	RC0402FR-0712KL
13	R7	100R 0.063W 5% 0402 (1005 Metric) SMD	1	Vishay Dale	CRCW0402100RJNED
14	R8, R10, R12	270R 0.063W 5% 0402 (1005 Metric) SMD	3	Panasonic	ERJ-2GEJ271X
15	R9	82R 0.063W 5% 0402 (1005 Metric) SMD	1	Panasonic	ERJ-2GEJ820X
16	R11	150R 0.063W 5% 0402 (1005 Metric) SMD	1	Vishay Dale	CRCW0402150RJNED
17	U1	FT900 Embedded Microcontroller, support both CAN Bus and Ethernet features, -40 to +85 degC, 100-Pin QFN, Pb-Free, Tape and Reel	1	FTDI	FT900Q-R
18	U2	CMOS with Processor Image Sensor 640H x 480V 1.75µm x 1.75µm	1	OmniVision Technologies	OVM7692-RAAA
19	U3	Linear Voltage Regulator IC 1 Output 300mA SOT-25	1	Diodes Incorporated	AP7343-33W5-7
20	U4	Micropower 1.5V CMOS Voltage Regulator with Shutdown Control, 5-pin SOT-23, Pb-Free	1	TI National Semiconductor	LP3992IMFX-1.5/NOPB
21	X1	12MHz ±25ppm Crystal 18pF 150 Ohms 4-SMD, No Lead	1	ECS International	ECS-120-18-36-AGM-TR

DIGIT Flex Bill of Materials, Rev 2020-1

Line #	Designator	Description	Qty.	Manufacturer	Manufacturer Part Number
1	D1, D2, D3, D4, D5	LED RGB DIFFUSED SMD	3	Stanley Electric	ARGB1313HS-TR
2	P1	CONN HDR 16POS SMD GOLD	1	Hirose	DF37B-16DP-0.4V(53)