



BOM-(STM32-F3UEXT-1.00) Rev n.nn					www.BusBoard.com	BusBoard Prototype Systems Ltd.		
STM32 Discovery-F3 BaseBoard3U (STM32-F3UEXT)					Copyright 2012 BusBoard Prototype Systems Ltd.			
with Olimex style UEXT expansion headers.					Released to Customers			
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Revision History					Update the document revision level (and file name) whenever modifications are made.			
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1.01	19-Jun-2013	Scot Kornak	Reference designators corrected. Creative Commons 3.0 License.					
Qty	Reference	KT Part#	Value	Rating	Description (dimensions in mils, 0.001")	Manufacturer	Man. #	SMT?
10	C1-10	C1-1/104	100n	50V	Capacitor, 100nF, 50V, X7R, 10%, Radial, 100sp, TH	Kemet	C320C104K5R5TA	No
3	J9-11	J1-5/4	4pin		Connector, MTA-100, Male, 4-pin, Vertical, 100sp	Tyco	640456-4	No
4	J4 -7	J1-7/10	10pin		Connector, DIL, 2x5 pin, Male, Polarized, Shrouded, Vertical, 100sp, TH	FCI	75869-101LF	No
					Alternate	FCI	66506-001LF	No
					Alternate	FCI	52601-S10-4LF	No
11	J3, J12-21	J1-91/16	16pin		Header, DIL, 8x2, 100sp, 330h, Gold Flash, TH	Tyco	103186-8	No
2	P1-2	J1-97/50	50pin		Socket, DIL, 25x2, 100sp, 340h, Gold, TH	Tyco	7-534998-5	No
					Alternate	Samtec	SSW-125-06-L-D	No
1	PCB	PCB-710-1.00	4-layer		PCB, STM32-F3U, 100mm x 160mm, 4-Layer, E.N.I.G. (Ni/Au)	BPS	PCB-710-1.00	-
1	PCA1	PCA-32/F3			STM32 Discovery-F3 Board with STM32F303VCT6	STMicro	STM32F3-DISCOVERY	No
4	R4-R8	R1-1/182	1K8	1/4W	Resistor, 1k8, 5%, 1/4W, Axial, TH			No
Battery Option (footprint can accept SMT or TH versions)								
1	BT2	BT-20	CR2032	3V	Battery Holder, 2032 Coin Cell, Single, Horizontal, Low Profile, TH	Keystone	1059	No
		BT-21			Alternate, SMT	Keystone	1060	Yes
1	BT2	BT-1	CR2032	3V	Battery, 2032 Coin Cell	Panasonic	CR2032	-
JTAG Option								
2	R2 R6	R2-64/103	10k	1/16W	Resistor Array, 10k, 5%, 1/16W, Isolated, Convex, 4x0603, SMT	Panasonic	EXB-38V103JV	Yes
2	R1 R3	R2-64/220	22R	1/16W	Resistor Array, 22R, 5%, 1/16W, Isolated, Convex, 4x0603, SMT	Panasonic	EXB-38V220JV	Yes
1	J2 (use J2 or J8)	J1-126/10	10pin		Header, DIL, 2x10, 50sp (1.27mm), Gold Flash, TH	Samtec	SHF-105-01-L-D-TH	No
1	J8	J1-7/20	20pin		Header, DIL, 10x2 pin, Male, Polarized, Shrouded, Vertical, 100sp, TH	FCI	75869-104LF	No
Not Installed								
1	J1 (optional)	J1-25			Ground Bar, 2 pin, 300sp			
37	JU1-3 JU5-8 JU10-39	J1-12/2			Jumper, 2 pin, 100sp	Tyco	103747-2	No
2	JU4 JU9	J1-12/3	3pin	2A	Jumper, 3 pin, 100sp, 330h, Tin, TH	Tyco	103747-3	No
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