## Bill of Materials COVER

EMS-1000LV30.PrjPcb Source Data From:

Creation Date: 2016-05-25 오후2:49:32 Print Date: 42515 42515.61779

Footprint	Comment	#Column Name	Designator	Description	Quantity
BSM-2703	BUZZER_BMC2		BZ1	-	_
	703		[ · · ·		
1608C	104		C1, C5, C14, C17, C18, C19, C20, C21,	Condensor	2
			C22, C23, C24, C25, C26, C29, C30, C3		
			C32, C32A, C33, C34, C34A, C40, C60,		
			C71, C72, C81		
1608C	102		C2	Condensor	
1608C	103		C3, C4	Condensor	
1608C	56pF		C6, C11	Condensor	
1608C 1608C	120pF		C7, C10	Condensor	
1608C	150pF 15pF		C8 C9	Condensor Condensor	
1608C				Condensor	
1608C	9pF 105		C12, C13	Condensor	
1608C	NM		C15 C16	Condensor	
1608C	20pF(NM)		C27, C28	Condensor	
2012C	106/2012		C41, C42	Condensor	
3216T	10uF/16V		CE1, TC1	Electric Condensor	
3528T	47uF/10V		CE2, CE10	Electric Condensor	
3216T	4.7uF/16V		CE3	Electric Condensor	
CE6.3	100uF/16V		CE6, CE7, CE61, CE71	Electric Condensor	
CE6.3	220uF/16V		CE8	Electric Condensor	
3216T	10uF/6.3V		CE9	Electric Condensor	
3528T	100uF/6V		CE20	Electric Condensor	
PH03-3	HEADER 3(NM)		CN1	PIN HEADER	
PH03-4	CON4		CN10, CN12, CN13, CN14	CONNECTO/WAFER	
DIODEMEL	MLF4148		D1	Diode/CHP	
D5025	SS34A		D2	Diode/CHP	
3216LED	RED		DL1, DL5	DIOD LED	
3216LED	WHITE		DL2, DL6	DIOD LED	
3216LED	BLUE		DL3, DL7	DIOD LED	
3216LED	GREEN		DL4, DL8	DIOD LED	
D5025	1SMB5919BT30		DZ1	Diode ZENER	
	5.6V(NM)				
1608R	R-ESD		ER1, ER2, ER3, ER4, ER6, ER7, ER8, E	R9ESD	
1608R	NM		ER5, R5, R9	R-ESD	
FND-	A-4031SRD		FND1	FND X 3	
MLS3461B					
3216R	0R		FR1, FR2	RESISTOR/CHP	
DC006	DC006		JK1	JACK DC	
PH03-5	HEADER 5(NM)		JP1		
TPH03-6	HEADER 6X2		JP2	PIN HEDER	
2012R	BEAD600		L1		
2012R	1uH		L2, L3		
3216R	BEAD600 NM		L4, L6 L10		
3216R			LED1	DIODE I ED	
LED3RG SOT23E	LED2C KRC231S		LED I	DIODE LED Transistor	
			Q1 05 06 07 040		
SOT23E SOT23E	KTA1504S KRA225S		Q5, Q6, Q7, Q10	Transistor	
1608R	330R		QL1, QL2	-	
1608R	3.3K		R1, R6 R2, R3, R4, R7, R8, R11, R12, R13	-	
1608R	10K			4	
1608R			R10, R14, R15, R16, R17, R26 R18, R19	Resistor	
	220R(NC)				
1608R	220R		R18A, R19A, R28, R29, R30, R31, R32,	Resistor	'
1608R	1M(NM)		R33, R34, R35, R51, R52, R57, R58 R25	-	
1608R	1R		R27	-	
1608R	4.7K		R36, R37, R38, R38A	-	
1608R	1K				
IOUOR	IK.		R39, R40, R41, R41A, R53, R54, R55, R	<b>30</b> esisioi	
1608R	22R		R73, R74	-	
CTP1230J17	DIS		SW1	S/W PAD	
MM	Dio		I SWI	SWIAD	
viivi CTP1230J17	ADD	1	SW2	S/W PAD	
MM	ADD		3W2	3/W FAD	
VIIVI CTP1230J17	OK		SW3	S/W PAD	
MM	OK		3443	3/W FAD	
CTP1230.I17	CAN		SW4	S/W PAD	
MM	OAI*		0004	SWIAD	
SW/SLIDE/S	CSS-2205A		SW5	S/W SLIDE	
K-22H03	000-2200A		0443	S/W SLIDE	
CTP1236	SW-PAD		SW6	S/W PAD	
QFN32	CR95HF_QFN3		U1	NFC_IC	
Q1 1402	2		l°'	141 0_10	
AT24C02AN	MR24RSR-XX		U2	MR24SR	
10SE-2.7	WIRZ4ROR-AA		02	WRZ43R	
SOT223	I M1117S-3.3V		U3, U7	ic	
	STM32F103CB	1	U3, U7	IMCU	
	LQFP48	1	I <sup></sup>		
74HC595SO		1	U5, U6	ic	
P127		1	00, 00	l.~	
QUARTZ 32	SC32-	1	X1	27.12M XTAL	
SMX	27.12MHz-3225	1	ľ		
XTAL	8MHz_(NM)	1	X2	X-TAL	
·	(INIT)	l .	lve-	pr 17 to	16
Annroyed		Notes			10
Approved		Notes			