





Source Data		rials DE-020717.PrjP	CuC & SDRAM & ANIN & DIO		
Project: Variant:		DE-020717.PrjP None		•	
Creation Date: Print Date:	2.6.2018. 43253	16:30:44 43253,68808	•		
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Footprint 0603	Comment 100nF	LibRef C0603	Designator C1, C2, C3, C4, C5, C6, C7, C8, C12, C1 C14, C15, C16, C17, C19, C20, C21, C2 C23, C24, C25, C26, C27, C28, C30, C3 C32, C33, C34, C36, C37, C38, C39, C4 C41, C42, C44, C45, C46, C48, C49, C5 C51, C33, C55, C56, C66, C68, C71, C7, C74, C75, C79	Description Ceramic Chip Capacitor - Standard	Quantity
0805 0603 0805 0603 3528	C0805 C0603 4u7 1uF 22uF/16V	C0805 C0603 C0805 C0603 293D156X0004	C9, C10, C35 C11, C18, C29, C43, C47, C52 C54, C57, C70, C73, C81 C67 C83, C84	Ceramic Chip Capacitor - Standard Ceramic Chip Capacitor - Standard Ceramic Chip Capacitor - Standard Ceramic Chip Capacitor - Standard Ceramic Chip Capacitor - Standard Tantamount Commercial, Surface Mount Solid Tantalum Chip Capacitor: 15uF, 20 ⁹	
3528	47uF/10V	293D156X0004I	C85, C86	Tolerance 4 WVDC@ +85°C, Surge = 5.2V Tantamount Commercial, Surface Mount Solid Tantalum Chip Capacitor: 15uF, 20° Tolerance 4 WVDC@ +85°C, Surge = 5.2V	
3528	100uF	293D156X0004 2	C87	Tantamount Commercial, Surface Mount Solid Tantalum Chip Capacitor: 15uF, 205	
0805 1.6X0.8X0.8/ DNSC-SOD- 123-2-425-	10uF HSMH-C190 STPS1L40M	C0805 HSMH-C190 SMMSD301T1G	C90, C93, C94 D1 D2	Tolerance 4 WVDC@ +85°C, Surge = 5.2V Ceramic Chip Capacitor - Standard Surface Mount Chip LED, Red Schottky Barrier Diode, 2-Pin SOD-123, F Free, Tape and Reel	
04_V 0603 WE-LQS 252012	BLM15AG121 74404024047	Inductor_SMD 74404024047	L1, L2, L3, L5, L7, L8, L9, L10 L4	Inductor WE-LQS SMD Power Inductob=4.7 µH	
HDR1X2 HDR1X2	3VBAT AMBIENT_LIGH T		P1 P2	Header, 2-Pin Header, 2-Pin	
HDR1X2 10 pin PFC	AMBIENT_TEM PERATURE TOUCH_SCRE N		P3 P4	Header, 2-Pin 10 pin PFC connector bottom	
HDR2X4 40 pin FPC	nRF24L01 480x272 RGB TFT LCD AML043056B0- 40	Header 4X2 TFT LCD Connector	P7 P8	Header, 4-Pin, Dual row 40 pin pfc connector bottom	
HDR1X3	ST-Link Debbuger EXPAND	Header 3 Header 5X2	P9 P10 P14	Header, 3-Pin Header, 5-Pin, Dual row	
HDR1X8	FANCOIL_INTE RFACE POWER_&_CO	Header 8 Header 8	P11 P12	Header, 8-Pin Header, 8-Pin	
SOT23_N	M 2N7002	BSS123	Q1, Q2, Q3, Q4	N-channel Enhancement Mode Vertical D	
2-0402	10K	ERJ2GE	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10 R11, R14, R15, R16, R17, R18, R19, R2	MOSFET Thick Film Chip Resistor, 1 Ohm to 2.2M Ohm Range, 5% Tolerance, 0402 Size, 0.063 W	
ERA-0603	10K	ERA3Y	R12, R13, R22, R28, R39, R60, R61	Rectangular Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.5%	
ERA-0603	2K7	ERA3Y	R21, R23, R25, R26	Tolerance, 0803 Size, 0.063 W Rectangular Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.5% Tolerance, 0803 Size, 0.063 W	
ERA-0603	0R	ERA3Y, ERA3Y ERA3Y, ERA3Y ERA3Y, ERAV	R24, R27, R34, R36, R37, R48	Tolerance, 0603 Size, 0.063 W Rectangular Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.5% Tolerance, 0603 Size, 0.063 W, Rectang Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.5% Tolerance, 0603 Size, 0.063 W, Rectangular Thick F Chip Resistor.	
ERA-0603	560R	ERA3Y	R29, R41	Chip Resistor, Rectangular Thick Film Chip Resistor, 10 0hm to 330k Ohm Range, 0.1% and 0.59 Tolerance, 0603 Size, 0.063 W Rectangular Thick Film Chip Resistor, 10	
ERA-0603	1K	ERA3Y	R30, R42, R43	Tolerance, 0603 Size, 0.063 W Rectangular Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.59 Tolerance, 0603 Size, 0.063 W	
ERA-0603	330R	ERA3Y	R31	Rectangular Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.59 Tolerance, 0603 Size, 0.063 W	
ERA-0603 ERA-0603	NF 220R	ERA3Y ERA3Y	R32, R33, R38	Rectangular Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.59 Tolerance, 0603 Size, 0.063 W Rectangular Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.59	
ERA-0603	2K2	ERA3Y, ERAV, ERAV, ERAV, ERAV, ERAV, ERA3Y	R40, R51, R52, R53, R54, R55, R59	Tolerance, 0603 Size, 0.005 W Rectangular Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.59 Tolerance, 0603 Size, 0.063 W, Metal Film Thermosensitive Chip Resistor, 0.56 Ohm 10k Ohm Range, 5% Tolerance, 0603 Size	
ERA-0603	100K	ERAV	R45	0.063 W, Metal Film Thermosensitive Chi Resistor, 0 Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5%	
ERA-0603	4K7	ERAV, ERA3Y	R46, R58	ones a Pain Treimisorative Chip Pesissio 0.66 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W Metal Film Themosensitive Chip Resisto 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W, Rectangi, Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.5% Tolerance, 0603 Size, 0.063 W	
ERA-0805	10R	ERAS	R47	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance 0805 Size 0.1 W	
ERA-0603	1K2 STM32F746ZE	ERA3Y STM32F74XZX	R57 TU1	Rectangular Thick Film Chip Resistor, 10 Ohm to 330k Ohm Range, 0.1% and 0.59 Tolerance, 0603 Size, 0.063 W STM32F746ZET ARM Cortex M7	
144_20X20m n MICT-P-86_N	MT48LC4M32B	MT48LC4M32B; P-6A	U2	microcontroller 128Mb PC133 SDR SDRAM, 4Mb x 32, 6 3.3V, 0 to 70 degC, 86-Pin TSOP, Pb-Fre	
119A-01_N	MC74VHC1GT1	MC74VHC1GT1		Schmitt-Trigger Inverter / Logic Level Shift with LSTTL-Compatible Inputs	
SO16_N QFN8_V	ULN2003A STLD40DPUR	ULN2003D STLD40DPUR	U4 U6	Seven Darlington Array White Led Power Supply For Large Displa Backlight, 8-Pin VFDFPN, Tape and Reel	
NSO8_N	MAX485CSA	MAX485CSA	U8	Low-Power, Slew-Rate-Limited RS-485/R 422 Transceiver	
SOP8_N MICT-SE-8_I	M24128RMN1 N25Q128A13ES	M24128RMN1 N25Q128A13ES E40E	U9 U10	128 K Serial I, C Bus EEPROM 128 Mb (x1/x2/x4) Serial NOR Flash	
FO220	E40E DC/DC BUCK	E40E L7805CV	U11	Memory with Multi I/O, 108 MHz, 2.7 to 3: V, 8-pin SO8 Wide (SE), Tray Positive Voltage Regulator, 5V, 3-Pin TO-	
ZZ311	REG1117-3.3		U12	220 800mA and 1A Low Dropout Positive Regulator 2.85V, 3.3V, 5V, and Adjustable	
CSM-7 R38	ECS-110-S-5P RTC	ECS-110-S-5P XTAL	Y1 Y2	Crystal Oscillator Crystal Oscillator	
		Notes		,	