

NCS314 V3.4 06,01,2020

Designator	Quantity	Value	PackageReference	Comment
U6	1	LM3478MAX/ LM3478MM/ LM3488MM	SOIC-8/VSSOP-8	LM3478MAX-LM3488MM
U5	1	DS3231SN/ DS3231MZ	SOIC-16W/SOIC-8	DS3231SN_DS3231MZ
U1	1	HV57708PG	PQFP-80	HV Driver
IR1	1	TSOP4836	DIP-3	IR Receiver
T2	1	PMBTA42/BC817	SOT-23	NPN Transistor
T1	1	FDD10N20L	DPAK	MOSFET
R61	1	0.1 Ohm	2512	Resistor
R56, R35, R41, R42, R67	5	10k	0805	Resistor
R50	1	1.5 MOhm	0805	Resistor
R36	1	150k	0805	Resistor
R20, R37, R38, R48, R23, R54	6	1k	0805	Resistor
R12, R13, R14, R15, R57	5	300k	0805	Resistor
R11, R65	2	51 Ohm	0805	Resistor
R7, R8, R9, R10	4	220k	0805	Resistor
R1, R2, R3, R4, R5, R6	6	27k	0805	Resistor
L1	1	220uH 1.2A	SMD 12x12mm	220uH 1.2A
GPS1-1, TEMP-2	2	Jack 3.5mm	ST-11M-030-00-0	Jack_3m5
GPS1	1	PH2.0-4p	PH2.0-4p	PH2.0-4p_GPS
ExDOWN, ExMODE, ExUP, LS1	4	PH2.0-2p	PH2.0-2p	PH2.0-2p
TEMP-1	1	PH2.0-3p Right	PH2.0-3p Right	PH2.0-3p_R_DS18B20
DOWN, MODE, UP	3	SWT-3/13	SWT-3/13, h=13, L=9	Button_SWT-3
DG3	1	PLS-4	PLS-4	PLS-4_DG3
DG2	1	PLS-8	PLS-8	PLS-8
DG1	1	PLS-10	PLS-10	PLS-10
SPI1	1	PLD-4	PLD-4	PLD-4
AN1, PWR1	2	PLS-6	PLS-6	PLS-6
POW	1	LED Pow	1206	LED Red
D24	1	ES2F	SMB	Fast diode
D3, D4	2	SS16	SMB	DS_SS16
D2	1	ZM4764A	DO-213AB	Zener Diode 100V
D1, D26, D27, D28, D29, D30, D31, D32	8	SK6812-Mini	3535	Addressable RGB LED
C15	1	10uF 250V Low ESR	TH & SMD D10mm	Aluminum Capacitor
C11, C20	2	220uF 16V	SMD 6.3x7.7mm	Aluminum Capacitor
C7	1	10uF 10V Size-A/B	Size-A/B (SMD3216/3528)	Tantalum Capacitor
C6, C12	2	10uF 16V	0805	Ceramic Capacitor
C1, C3, C4, C5, C8, C9, C10, C13, C14, C16, C17, C19, C21, C22, C23	15	100nF 50V	0805	Ceramic Capacitor
C2, C18	2	100nF 250V	1206	Ceramic Capacitor
BT1	1	CR1220 (KEYS1056)	SMD	Bat_Holder_CR1220
	1	SDT0833C/ HCS0903G/ K1 I8530	SMD 8.5x8.5mm	Buzzer
DS1, DS2, DS3, DS4	4	NE-2H	PIN2	Neon Lamp
NX1, NX2, NX3, NX4, NX5, NX6	6	IN-14		Options IN-14_Tube_Socket