

TIDEP-01020	Manufacturer	Part Number
<b>System Bom: Processor</b>		
	Texas Instruments	DRA826
	ECS Inc	ECS-.327-9-34QCS-TR
	Abracon	ABM8-22.5792MHZ-D2Y-T
	Abracon	AT10W-19.2000MHZ-8-D10
<b>System Bom: Power</b>		
	Texas Instruments	TPS659411
	Texas Instruments	TPS659413
	ECS Inc	ECS-.327-9-34QCS-TR
	Texas Instruments	LP5912Q1.8DRVTTQ1
	Texas Instruments	LMR23625CFDDA
	Texas Instruments	LM5141QRGETQ1
	Vishay	SQJ422EP-T1_GE3
	Texas Instruments	TPS1H100AQPWPRQ1
	Texas Instruments	TPS22965DSGT
	Texas Instruments	TPS61252DSGT
	Texas Instruments	LM5175QPWPTQ1
	Texas Instruments	TPS7B7701QPWPRQ1
	Texas Instruments	LM74700QDBVTQ1
<b>Radio/Audio</b>		
	Texas Instruments	TAS2505IRGET
	NDK	LS5SA-36.864M-EXS00A-CS
	Murata	LQW18AN18NG0ZD
	Texas Instruments	<a href="#">SN74AXC8T245-Q1</a>
	Texas Instruments	<a href="#">SN74LVC1G125-Q1</a>
	SiLab	SI47972A0GE1AM
<b>Display &amp; Camera</b>		
	Abracon	ASDMB-25.000MHZ-XY-T
	Texas Instruments	TPD1E05U06DPYR
	Murata	NFM21PC474R1C3D
	Texas Instruments	DS90UB960WRTDTQ1
	Texas Instruments	DS90UB941ASRTDRQ1
<b>Connectivity</b>		
	U-Blox	NEO-M8U
	Texas Instruments	DP83TC811RWRNDTQ1

Abracon  
TDK  
Texas Instruments  
Texas Instruments

3M11AIG-25.000MHZ-4Z-  
ACT45L-201-2P-TL000  
TPS72010QDRVR  
TPD1E10B06DPY

## Other Actives

Not included in BOM  
Noy Included in BOM

Future Technology  
ECS Inc  
Texas Instruments  
Texas Instruments  
Texas Instruments  
Texas Instruments

PQFP64PM  
ECS-120-20-30B-TR  
TPS254900IRVCTQ1  
TPD3S716QDBQRQ1  
TPD4E05U06QDQARQ1  
LM53603AQPWPTQ1

Not included in BOM

Abracon  
Nexperia  
Texas Instruments  
Texas Instruments  
Infineon  
Murata  
Murata

ABM7-24.000MHZ-D2Y-T  
BSS138PS  
TCAN1043DQ1  
SN74LVC1G08DCKR  
BSZ068N06NSATMA1  
DLW21SN900HQ2  
DLW21SN121HQ2

Not included in BOM  
Not included in BOM  
Not included in BOM  
Not included in BOM

Texas Instruments  
Texas Instruments  
Texas Instruments  
Texas Instruments  
Texas Instruments

TUSB4020BIPHPRQ1  
[SN74AXC4T245-Q1](#)  
TPS73433DRVR  
TPD2E001DRLR  
TCAN1042HGVDRQ1

System	Description
J7ES	LOGIC,J7ES, CPU
XTAL	CRYSTAL,SMT,32.768KHz
XTAL	CRYSTAL,SMT,4 PIN,22.5792MHZ
XTAL	CRYSTAL,SMT,19.2 MHZ,8pF
Processor Power	IC,VQFN56, PMIC
Processor Power	IC,VQFN56, PMIC
XTAL [TPS659413]	CRYSTAL,SMT,32.768KHz
I/O Power	REGULATOR,LDO,500mA,1.8V,AUTOMOTIVE
System Power	SO8,BUCK REGULATOR,SWITCHING,2.5A
Processor Power	QFN24,BUCK REGULATOR,STEP DOWN
System Power	TRANSISTOR,SO8P,MOSFET,40V
System Power	4-CHANNEL SMART HIGH-SIDE POWER SWITCH
Processor Power	SON8,LOAD SWITCH,SINGLE CHANNEL
System Power	IC,SON8,BOOST CONVERTER,1.5A
System Power	IC,SSOP28,BUCK-BOOST CONTROLLER,DUAL OUTPUT
System Power	IC,TSSOP16,ANTENNA LDO,SINGLE
System Power	IC,SO6,DIODE CONTROLLER
Class D	IC,QFN24,CLASS D AMPLIFIER,2W
Radio Tuner	CRYSTAL,SMT,4 PIN,36.864MHz
Radio Tuner Power	INDUCTOR,SMT 0603,18nH,550mA,2%,UNSHIELDED
Radio Tuner	QFN24,8-BIT DUAL SUPPLY BUS TRANSCEIVER
Radio Tuner	IC,SO5,SINGLE BUS BUFFER GATE
Radio Tuner	IC,FM/FM RADIO RECEIVER AND HD RADIO WITH AUDIO SYSTEM
Display	CRYSTAL,SMT,25.000 MHZ, Reference OSC for 941
Display	IC,SMT,ESD PROTECTION,1-CHANNEL
Display	FILTER,SMT 0805,EMI,.47uF,16V
Camera	IC,N64,QUAD 2MP FPD-LINK III DESERIALIZER
Display	IC,DUAL 2K DSI TO FPD-LINK III BRIDGE SERIALIZER
GPS/GNSS	U-blox M8 UDR module
Ethernet	IC,QFN36,AUTOMOTIVE ETHERNET PHY

XTAL	CRYSTAL,SMT,25 MHZ,10pF
Ethernet	1T,COMMON MODE,AUTOMOTIVE ETHERNET
Ethernet	IC,SO6,LINEAR REGULATOR,350mA,1V
Ethernet	IC,SMT,ESD PROTECTION,1-CHANNEL,14V

Serial-UART FTDI	IC,QFP64,DUAL USB UART
Serial-UART FTDI XTAL	CRYSTAL,SMT,4 PIN,12MHz,20pF
USB Charging	IC,QFN20,USB HOST CHARGER,AUTOMOTIVE
USB 2.0 Protection	IC,SSOP16,AUTOMOTIVE USB 2.0 INTERFACE PROTECTION
USB 3.0 ESD	IC,SMT,PROTECTION ARRAY,4-CHANNEL 15-kV ESD
USB VBUS	IC,TSSOP16,BUCK REGULATOR,3.3V,3A
USB Hub XTAL	CRYSTAL,SMT,6mm,24 MHZ
FET	IC,SO6,MOSFET,DUAL,N-CHANNEL
CAN-FD	IC,SO14,AUTOMOTIVE TRANSCEIVER
Gate Logic	IC,SOP8,SINGLE 2-INPUT POSITIVE AND GATE
FET	IC,TSDSON8,MOSFET,N-CHANNEL,60V,40A
USB	FILTER,SMT,EMI,90 OHM,20V
USB	FILTER,SMT,EMI,120 OHM,20V
USB Hub for Wifi/Debug	IC,QFP48,USB HUB,2-PORT
Serial-UART FTDI	IC,QFN16,4-BIT TRANSCEIVER
Serial-UART FTDI	IC,SO6,LINEAR REGULATOR,250mA,3.3V
Serial-UART FTDI	ESD PROTECTION ARRAY,2-CHANNEL,15-kV
CAN-FD	IC,SOIC,AUTOMOTIVE CAN TRANSCEIVER

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