

Level	Part Type	Item Number	Item Rev
0	62 - Assemblies (PWA with Hw)	62-0000033-00	0
0.1	25 - FAB Package	25-SLT-01	B0.5
0.1	25 - FAB Package	25-SLT-03-00	A0.1
..2	20 - Bare PCB	20-0000106-00	A
..2	60 - PWA/PCA Board Level Assy	60-00000127-00	A0.0
...3	90 - RESISTOR	90-000045	1
...3	90 - CAPACITOR	90-000134	1
...3	90 - FET	90-000192	0
...3	90 - RESISTOR	90-000394	0
...3	90 - RESISTOR	90-000508	0
...3	90 - CAPACITOR	90-001179	0
...3	90 - CAPACITOR	90-001398	0
...3	90 - RESISTOR	90-001803	0
...3	90 - MISC	90-001875	0
...3	90 - CAPACITOR	90-002163	0
...3	90 - IC	90-002372	0
...3	90 - RESISTOR	90-002384	0
0.1	25 - FAB Package	25-SLT-03-01	A0.1
..2	20 - Bare PCB	20-0000106-00	A
..2	60 - PWA/PCA Board Level Assy	60-00000128-00	A0.0
...3	90 - RESISTOR	90-000045	1
...3	90 - CAPACITOR	90-001179	0
...3	90 - CAPACITOR	90-001398	0
...3	90 - RESISTOR	90-001803	0
...3	90 - MISC	90-001875	0
0.1	91 - IHE CUSTOM MECHANICAL	91-000297	6
0.1	91 - IHE CUSTOM MECHANICAL	91-000299	4
0.1	91 - IHE CUSTOM MECHANICAL	91-000193	1
0.1	91 - IHE CUSTOM MECHANICAL	91-000305	2
0.1	93 - Off-the-shelf (OTS)	93-000273	0
0.1	91 - IHE CUSTOM MECHANICAL	91-000312	0
0.1	91 - IHE CUSTOM MECHANICAL	91-000298	5
0.1	61- Subassemblies	61-0000084-00	1
..2	93 - Off-the-shelf (OTS)	93-000240	0
..2	93 - Off-the-shelf (OTS)	93-000241	0
..2	93 - Off-the-shelf (OTS)	93-000210	0
0.1	93 - Off-the-shelf (OTS)	93-000236	0
0.1	93 - Off-the-shelf (OTS)	93-000272	0
0.1	93 - Off-the-shelf (OTS)	93-000109	1
0.1	93 - Off-the-shelf (OTS)	93-000083	0
0.1	93 - Off-the-shelf (OTS)	93-000275	0
0.1	93 - Off-the-shelf (OTS)	93-000278	0
0.1	92 - IHE COTS MECHANICAL	92-000280	0
0.1	92 - IHE COTS MECHANICAL	92-000274	0
0.1	92 - IHE COTS MECHANICAL	92-000367	0
0.1	92 - IHE COTS MECHANICAL	92-000368	0
0.1	92 - IHE COTS MECHANICAL	92-000119	1

Part Description**Slate Top Level Assembly*****SLATE MAIN BOARD - SLT-01-00H - (PCB FAB Package/Quote)******SLATE PERIPHERAL BOARD - SLT-03-00H - (PCB FAB Package/Quote)***

SLT-03 - SLATE PERIPHERAL BOARD - Bare PCB

SLT-03 - SLATE PERIPHERAL BOARD

RESISTOR, 10.0K OHM 0603 1% 1/10W 50V

CAPACITOR,0.1UF040210%X5RCERAMIC16V

FET,P-CHANNEL MOSFET ULTRA LOW RDS-.135 VDSS -20V

RESISTOR, 22.0K OHM 0603 1% 1/10W 50V

RESISTOR, 8.25K OHM 0603 1% 1/10W 50V

CAPACITOR,CER,0.1uF,10%,6.3V,X7R,0402

CAP, CER, 1.0uF, 10%, 35V, X5R, 0603

RES, 510 OHM, 1/10W, 1%, 0603, SMD

IC, SISONIC, DIG MIC, SMD, 1.6-3.6V

CAP, CER, 2.2UF, 16V, 10%, X5R, 0603, SMT

IC, Optical Sensor, Ambient 550nm, I²C, 10-SMD

RES, THK FLM, 5.49 ohms, 1%, 2W, 1225, 100ppm, SMD

SLATE PERIPHERAL BOARD - SLT-03-01H MIC ONLY VARIANT- (PCB FAB Package/Quote)

SLT-03 - SLATE PERIPHERAL BOARD - Bare PCB

SLT-03-01 - SLATE PERIPHERAL BOARD MIC ONLY VARIANT

RESISTOR, 10.0K OHM 0603 1% 1/10W 50V

CAPACITOR,CER,0.1uF,10%,6.3V,X7R,0402

CAP, CER, 1.0uF, 10%, 35V, X5R, 0603

RES, 510 OHM, 1/10W, 1%, 0603, SMD

IC, SISONIC, DIG MIC, SMD, 1.6-3.6V

Slate Top Shell***Slate Back Shell******Rubber Actuator, Pushbutton, Zorin******Slate LED Lens******Bracket, Magnetic Readhead******Anti-Slip Pad******Custom 7" Display and Touchscreen, Slate******SPEAKER, 4 OHM, 2W, 102dB, 40x30x7.1mm, 100mm W/JST SHR-02V-S-B***

SPEAKER, 4 OHM, 2W, 102dB, 40x30x7.1mm

CONN, RECEPTACLE, 2P, 1mm PITCH

CONTACT,CRIMP,28-32AWG,SOCKET,PHOS-BRONZE,TIN-PLATED,RoHS

Camera Module, OV5640, 5MP, MIPI***Magnetic Card Reader, 3-Track Shift-Out IntelliHead on Butterfly Spring******2.4/5 GHz Dual-band Dipole Antenna******BATTERY, LITHIUM, COIN, 3V, 12.5mm******Slate NFC Antenna******Ferrite, NFC antenna******SCREW, #2-28x0.250L,TORX,ZN STEEL******SCREW,M2x5mmL,PPH,ZN STEEL,SPLIT LOCK,FLAT******SCREW,#0-42x0.125L,TORX,18-8, THREAD FORMING******SCREW,#0-42x0.250L,TORX FH,ZN STEEL, THREAD FORMING******SCREW,#4-40x0.250L,PPH,18-8SS***

Find Num	Qty
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1	1
3	1
0	1
0	1
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	2
9	1
10	1
11	1
12	2
4	1
0	1
0	1
1	1
2	1
3	1
4	2
5	1
10	1
11	1
12	1
13	4
14	1
16	4
20	1
21	2
30	1
301	1
302	2
22	1
23	1
30	1
31	1
32	1
33	1
100	13
101	4
102	5
103	6
104	8

Ref Des

R8
C1
Q1
R6
R1
C3
C4
R4, R5
U2
C2
U1
R2, R3

R7
C3
C4
R4, R5
U2

BOM Notes	Manufacturer
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DNI:(R7)

InHand Electronics
Flexible Circuit Technologies

Panasonic
Murata
Internation Rectifier
Rohm
Panasonic
Kemet
Taiyo Yuden
Yageo
Knowles Acoustics
Taiyo Yuden
Vishay
Vishay
Flexible Circuit Technologies

Panasonic
Kemet
Taiyo Yuden
Yageo
Knowles Acoustics
3DSystems
3DSystems
Sealing Devices
Midwest Optical Systems
National Metal Stampings
Stockwell Elastomerics
Seacomp
Segue
CUI
JST
JST
e-con Systems
Magtek
Taoglas
Energizer
Blackboard
Laird Technologies
Mutual Screw & Supply

McMaster Carr

Manufacturer P/N	Manufacturer Status	Vendor
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25-SLT-01
25-SLT-03-00

Preferred
Preferred

ERJ-3EKF1002V
GRM155R61C104KA88D
IRLML6402TRPbF
MCR03EZPF2202
ERJ-3EKF8251V
C0402C104K9RACTU
GMK107BJ105KA-T
RC0603FR-07510RL
SPM0423HD4H-WB
EMK107BJ225KA-T
VCNL4100
RCL12255R49FKEG
25-SLT-03-01

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Digikey
DIGI-KEY CORPORATION
Digikey
Digikey
Digikey
Digikey
Digikey
DIGIKEY
DIGIKEY
Digikey
DIGIKEY
DIGIKEY
Mouser

ERJ-3EKF1002V
C0402C104K9RACTU
GMK107BJ105KA-T
RC0603FR-07510RL
SPM0423HD4H-WB
91-000297
91-000299
91-000193

Preferred
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Preferred
Preferred

Digikey
Digikey
Digikey
DIGIKEY
DIGIKEY

96735 Preferred

93-000273
91-000312
PM9835
61-00000084-00
CDS-40304-L100
SHR-02V-S-B
SSH-003T-P0.2-H
e-CAM52A-MI5640_MOD

Preferred
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Preferred
Preferred
Preferred
Preferred
Preferred
Preferred

Newark

21030001 Preferred

FXP830.07.0100C
CR1220
044-039-201
MHLL12060-200
0204LTPKC

Preferred
Preferred
Preferred
Preferred
Preferred

Digikey

McMaster Carr
Mutual Screw & Supply
McMaster Carr
McMaster Carr

91772A106

Preferred

Vendor P/N	Vendor Status	Manuf.#1
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P10.0KHCT-ND	Preferred	
490-5415-1-ND	Preferred	Panasonic
IRLML6402PBFCT-ND	Preferred	
RHM22.0KHTR-ND	Preferred	
P8.25KHCT-ND	Preferred	
399-4872-1-ND	Preferred	
587-1437-1-ND	Preferred	
311-510HRCT-ND	Preferred	
423-1126-1-ND	Preferred	
587-1430-1-ND	Preferred	
VCNL4100CT-ND	Preferred	
71-RCL12255R49FKEG	Preferred	

P10.0KHCT-ND	Preferred	
399-4872-1-ND	Preferred	
587-1437-1-ND	Preferred	
311-510HRCT-ND	Preferred	
423-1126-1-ND	Preferred	

CUI

33P8235	Preferred	
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Blackboard

<i>N033-ND</i>	<i>Preferred</i>	
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<i>99512A153</i>	<i>Preferred</i>	
<i>369750KC</i>	<i>Preferred</i>	
<i>96001A098</i>	<i>Preferred</i>	
<i>95893A116</i>	<i>Preferred</i>	

Mutual Screw & Supply

Manuf.#1 P/N	Manuf.#1 Status	Manuf.#2	Manuf.#2 P/N
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ECJ-0EB1C104K	Preferred	Digikey	PCC2363CT-ND
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<i>CDS-40304-L1001</i>	<i>Alternate</i>	<i>Quadrangle</i>	<i>QD22010</i>
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<i>044-022-009</i>	<i>Preferred</i>		
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<i>0404MPP188BB</i>	<i>Alternate</i>	<i>AmazonSupply</i>	<i>B000FN6V9C</i>
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Manuf.#2 Status	Manuf.#3	Manuf.#3 P/N	Manuf.#3 Status
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Preferred

Alternate

Alternate