



Quantity	Designator	Comment	Description	Footprint	Manufacturer	Manufacturer Pa Number
	3 BT1, BT2, BT3	1042P	BATT HOLDER 18650 1 CELL SMD	FP-1042P-MFG	Keystone	1042P
3	C45, C47, C48, C49, C50, C52, C56, C58, C59, C60	100n	CAP CER 100NF 16V XBR 0603	C-0603	Electronics	
	C2 C7 C0 C10 C11	4u7	CAP CER 4.7UF 16V XBR 0603	C-0603		
	00 01 010 011 001	100u	CAP TANT 100UF 20%	C-TANTAL-A		
	C25		10V 2917, SMD CAP CER 10NF 16V			
	4 C26, C27, C28, C29	10n	XBR 0603	C-0603		
1	C31, C32, C33, C34, 1 C38, C39, C51, C53,	22p	CAP CER 22PF 16V XBR 0603	C-0603		
	C54, C55, C57		LED BLUE CLEAR CHIP	FP-LTST-C191TBKT-		
	1 D1	Power	SMD	MFG	Vishay Lite-On	LTST-C191TBKT
	3 D2, D3, D10	BAT54KFILM	DIODE SCHOTTKY 40V 300MA SOD523	FP-SOD-523-MFG	STMicroelectronic s	BAT54KFILM
	1 D4	STAT	LED BLUE CLEAR CHIP SMD	FP-LTST-C191TBKT- MFG	Vishay Lite-On	LTST-C191TBKT
	1 05	SZNUP2105LT1G	TVS DIODE 24V 44V	FP-318-08-MFG	ON	SZNUP2105LT1G
	1 D6	EZA-EG1N50AC	SOT23-3 ESD SUPPRESSOR	FP-EZAEG1-MFG	Semiconductor Panasonic	EZA-EG1N50AC
	1 07	TIME_PULSE	0201 LED BLUE CLEAR CHIP	FP-LTST-C191TBKT-	Vishay Lite-On	LTST-C191TBKT
			SMD LED BLUE CLEAR CHIP	MFG FP-LTST-C191TBKT-		
	1 D8	GEOFENCE_STAT	SMD LED BLUE CLEAR CHIP	MFG FP-LTST-C191TBKT-	Vishay Lite-On	LTST-C191TBKT
	1 D9	GNSS_RTK_STAT	SMD	MFG	Vishay Lite-On	LTST-C191TBKT
	1 D11	PESD3V3L5UY,115	TVS DIODE 3.3VWM 12VC 6TSSOP	SOT95P280X145-6N		
	1 L1	2.2µH	SMD Power Inductors 2.2uH ±30% 3.7A	FP-NR6028-MFG	Taiyo Yuden	NR6028T2R2N
	3 L2, L4, L5	10 µH	26mΩ SMD Inductors 10uH ±20% 0.08A 0.468Ω	FP-LBMF1608-0_8-	Taiyo Yuden	LBMF1608T100N
			0603 SMD Power Inductors	0_2-IPC_A	-	
	1 L3	2.2nH	2.2uH ±30% 3.7A 26mQ PLS-3, вилка	FP-NR6028-MFG PI S.3	Taiyo Yuden	NR6028T2R2N
	11.0	boot	штыревая 2.54мм PLS-2. вилка			
	1 P2	DBG	штыревая 2.54мм	PLS-2		
	1 P3	SWD	Male Header, Pitch 2.54 mm, 2 x 3 Position, Height 8.38 mm, Tall Length 5.08 mm, -55 to 125 degC, RoHS, Bulk	SMTC-TSW-103-08-L- D_V	Samtec	YSW-103-08-L-D
	1 P4	Interface select	PLS-12, вилка штыревая 2.54мм	PLS-12		
	1 P5	Type-C	CONN RCP USB 2.0	FP-217179-0001-MFG	Molex	217179-0001
	1 P6	GNSS USB Connector	TYP C 24P SMD RA PLS-5, вилна штыревая 2.54мм	PLS-5		
	1 P7	RS485	штыревая 2.54мм PLS-2, вилка штыревая 2.54мм	PLS-2		
	1 P8	ANT	SMA Connector, Pitch 5.08 mm, 1 Position, Height 9.5 mm, Tail Length 4 mm, -65 to 165 degC, RoHS, Bulk	TECO-5-1814832-1_V	TE Connectivity	5-1814832-1
		1				
	100	CIM aread	CONN SMART CARD	102012020121	Month Clasternia	(03043030(11
	1 P9	SIM-card	CONN SMART CARD PUSH-PULL	693043020611	Wurth Electronics	693043020611
	1 P10	INT_SEL	CONN SMART CARD	PLS-2		
	1 P10 2 Q1, Q2	INT_SEL 2N7002	CONN SMART CARD PUSH-PULL PLS-2, BURNA UTSIPEBAR 2.54MM RES 1k OHM 1%		Wurth Electronics Infineon	693043020611 IRLML2402TRPBI
	1 P10 2 Q1, Q2 4 R1, R13, R15, R16	INT_SEL 2N7002 1k	CONN SMART CARD PUSH-PULL PLS-2, Burnea urrupenan 2.54mm RES 1k OHM 1% 1/10W 0603 RES 260 OHM 1%	PLS-2 FP-Micro3-IPC_B R-0603		
	1 P10 2 Q1, Q2 4 R1, R13, R15, R16 1 R2	INT_SEL 2N7002 1k 260R	CONN SMART CARD PUSH-PULL PLS-2, BUNKA UTSIPERRA 2.54MM RES 1k OHM 1% 1/10W 0603	PLS-2 EP-Micro3-IPC_B R-0603 R-0603		
	1 P10 2 O1, O2 4 R1, R13, R15, R16 1 R2 8 R3, R6, R19, R21, R28, R29, R30, R32	INT_SEL 2N7002 1k 260R	CONN SMART CARD PUSH-PULL PUS-2, BUNKA WTB-PORDA 2-54MM 1/10W 0603 RES 260 OHM 1% 1/10W 0603 RES 10K OHM 1% 1/10W 0603 1/10W 0603	PLS-2 FP-Micro3-IPC_B R-0603 R-0603		
	1 P10 2 O1, O2 4 R1, R13, R15, R16 1 R2 8 R3, R6, R19, R21, R28, R29, R30, R32	INT_SEL 2N7002 1k 260R	CONN SMART CARD PUSH-PULL PIS-2, BINNA WTMPERS 2, 54MM RES 1K OHM 1% 1/10W 0603 RES 260 OHM 1% 1/10W 0603 RES 10K OHM 1% 1/10W 0603 RES 10K OHM 1% 1/10W 0603 RES 10O OHM 1% 1/10W 0603	PLS-2 EP-Micro3-IPC_B R-0603 R-0603		
	1 P10 2 O1, O2 4 R1, R13, R15, R16 1 R2 8 R3, R6, R19, R21, R28, 8 R29, R30, R32 R4, R8, R10, R11, R12.	INT_SEL 2N7002 1k 260R	CONN SMART CARD PUSH-PULL PLS-2, BIVING UTSIPPERS 2, 54MM RES 1K OHM 1% 1/10W 0603 RES 260 OHM 1% 1/10W 0603 RES 10K OHM 1% 1/10W 0603 RES 10K OHM 1% 1/10W 0603 RES 10K OHM 1%	PLS-2 FP-Micro3-IPC_B R-0603 R-0603		
	1 P10 2 Q1, Q2 4 R1, R13, R15, R16 1 R2 8 R3, R6, R19, R21, R28, R29, R30, R32 R4, R8, R10, R11, R12, R14, R31	INT_SEL 2N7002 1k 260R 10k	CONN SMART CARD PUSH-PULI. PLS-2, Burks2 urrapeasa 2.54mm RES 1K OHM 1% 1/10W 0603 RES 260 OHM 1% 1/10W 0603 RES 100 OHM 1% 1/10W 0603 RES 100 OHM 1% 1/10W 0603 RES 100 OHM 1% 1/10W 0603 RES 100 OHM 1% 1/10W 0603 RES 5/23 OHM 1%	PLS-2 FP-Micro3-IPC_B R-0603 R-0603 R-0603		
	1 P10 2 O1, O2 4 R1, R13, R15, R16 1 R2 8 R3, R6, R19, R21, R28, R29, R30, R32 R4, R8, R10, R11, R12, R14, R31	INT_SEL 2NT002 1k 260R 10k 100R	CONN SMART CARD PUSH-PULL PLS-2, punks umpocas 2 54MM RES 1k OHM 1% 1/10W 0603 RES 260 OHM 1% 1/10W 0603 RES 10K OHM 1% 1/10W 0603 RES 10K OHM 1% 1/10W 0603 RES 10K OHM 1% 1/10W 0603 RES 30 1K OHM 1%	PLS-2 FP-Micro3-IPC_B R-0603 R-0603 R-0603 R-0603		
	P10 201, 02 4R1, R13, R15, R16 R2 R3, R6, R19, R21, R26, R29 R30, R32 R4, R8, R10, R11, R12, R14, R31 R5 R7 R9, R23, R26	INT_SEL 2N/1002 1k 260R 10k 100R 59:23 30k1 100k	COM'S SMART CARD PUSH-PULL R.S-2, BUNNS GUT-SPEARS 2 SMAM RES 1 R.O FM 1% 1/10W 0603 RES 1 R.O FM 1% 1/10W 0603	PLS-2 FP-Micro3-IPC_8 R-0603 R-0603 R-0603 R-0603 R-0603 R-0603 R-0603		
	P10 201, 02 481, 812, 815, 816 82 82, 86, 819, 821, 828, 829 830, 832 84, 88, 810, 811, 812, 814, 811 85 87 89, 823, 826 817, R18	INT_SEL 28/1002 1k 26/0R 10k 100R 58/23 30k1 100k 47k	COMS SMART CARD PUSH-PULL PS-2, e.nmas wmpessa 2 54444 RS 2 is OHM 1% 1/10W 0603 RS 1 is OHM 1% 1/10W 0603 RS 3 is OHM 1% 1/10W 0603 RS 3 is OHM 1% 1/10W 0603 RS 5 is OHM 1% 1/10W 0603	PLS-2 FP-Micro3-IPC_B R-0603 R-0603 R-0603 R-0603 R-0603 R-0603 R-0603		
	P10 201, 02 481, 812, 815, 816 82 82, 86, 819, 821, 828, 829 830, 832 84, 88, 810, 811, R12, 814, 810 85 87 89, 823, 826 817, R18 820, 825, 827	INT_SEL 20/17002 1k 26/0R 10k 100R 58/23 30k1 100k 47k 300R	CONS SMART CARD PUSH-PULL PLS-2, punks emrupeana 7.54mm RES 1k OHM 1% 1/10W 0603 RES 4k OHM 1% RES 1k OHM 1% RES 1k OHM 1% 1/10W 0603 RES 4k OHM 1% RES 50 OHM 1%	PLS-2 FP-Micro-3-IPC_B R-0603		
	P10 201, 02 481, 812, 815, 816 82 82, 86, 819, 821, 828, 829 830, 832 84, 88, 810, 811, 812, 814, 811 85 87 89, 823, 826 817, R18	INT_SEL 28/1002 1k 26/0R 10k 100R 58/23 30k1 100k 47k	CONS SMART CARD PUSH-PULL PLS-2, punks emrupeana 7.54max RES 1k OHM 1% 1/10W 0603 RES 1/10W 0403 RES 1/10W 1/10W 0603 RES 1/10W 0403	PLS-2 FP-Micro3-IPC_B R-0603 R-0603 R-0603 R-0603 R-0603 R-0603 R-0603		
	P10 201, 02 481, 812, 815, 816 82 82, 86, 819, 821, 828, 829 830, 832 84, 88, 810, 811, R12, 814, 810 85 87 89, 823, 826 817, R18 820, 825, 827	INT_SEL 20/17002 1k 26/0R 10k 100R 58/23 30k1 100k 47k 300R	CONS SMART CARD PAYSH PULL PR.S2, enunca enuncipul Pr.S2, enun	PLS-2 FP-Micro-3-IPC_B R-0603		
	P10 2 01, 02 4 1, 113, R15, R16 4 1, R13, R15, R16 82 83, 86, R19, R21, R28 829, R30, R32 84, 88, R10, R31 85, R18, R11, R12 84, R8, R10, R11, R12 84, R21 87, R22, R26 2 R17, R18 1 R20, R25, R27	INT_SEL 29/7002 1k 26/0R 10k 100R 55/23 30k1 1000k 47k 300R	CONS SMART CARD PAYS - PURS -	PLS-2  FP-Micro3-IPC_B  R-0603		
	PTIO OLI, 02 OLI, 02 OLI, 02 OLI, 02 OLI, 03 O	NT SEL 22/1002 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COMM SMART CARD PWISH THE IN THE INTERPRETATION OF THE INTERPRETAT	PLS-2 PF-MOTO-3 IPC, B 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660	Infineon  Infineon  It Connectivity	IRLANI, 2402TRPHI
	970 OZ	807_561 2879902 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	COMM SMART CARD PUPIL FILE.  TR. S. 2, money and the pupil File.  TR. S. 3, money and	PS-2   PF-Mero JEC. B   80:001	Infineon	IRLANI, 2402TRPHI
	PTIO OLI, 02 OLI, 02 OLI, 02 OLI, 02 OLI, 03 O	NT SEL 22/1002 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COMM SMART CARD PPUBLISHED TO THE STATE OF T	PLS-2 PF-MOTO-3 IPC, B 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660 8 4660	Infineon  Infineon  It Connectivity	IRLANI, 2402TRPHI
	970 OZ	NY_SEL 2297902 10-1297	COMM SMARE CARD PUPIL AND ALL STATES	PS-2   PF-Mero JEC. B   80:001	TE Connectivity  Diodes  Tessas Instruments	IRLM1.2402TRP88
	P10 CS	NY 551 2979529 10 10 10 10 10 10 10 10 10 10 10 10 10 1	COMM SMART CARD PURPLE AND A COMMISSION CONTROL OF THE COMMISSION CONT	PLS2 (FP.More) PC. 8 6 6601 8 6601	infineon  If Indiana I I I I I I I I I I I I I I I I I I	IRLANI, 2402TRPHI
	P10 CS	NT_SEL 2017027  Th 2017027  Th 2008  1008  5922  2041  1000  1000  404  2008  1000	COMM SMARE CARD PUPIL AND ALL STATES	PLS2 (PLMc02)PC, B  R 0603  R 0600  R	TE Connectivity  Diodes  Tessas Instruments	FSASSAITR  FSASSAITR  AP2112K-3.3TRG
	P10 O2	NY_SEL 20170272 10 k 10 k 2008 10 k 2008 10 k 3023 3041 1000 k 47 k 2000 1000 k 47 k 2000 1000 k 47 k 2000 1000 k 47 k 3000 1000 k 3000 k 3000 1000 k 3000 k 300	COMM SMART CARD PHYSIA AND A COMM CARD AND A C	PLS2 (FP.More) BYC. 8 (8 (640) 8 (640)	TE Connectivity  TE Connectivity  Totals Instruments	FSASSAITR  FSASSAITR  AP2112K-3.3TRG
	910 CO	NT_SEL 2017027  Th 2017027  Th 2008  1008  5922  2041  1000  1000  404  2008  1000	CONSTINUENT CARD  CONSTINUENT	PLS2 (PLMc02)PC, B  R 0603  R 0600  R	TE Connectivity  TE Connectivity  Totals Instruments	FSASSMITR FSASSMITR AP2112K-3.3TRQ
	P10 CS	NT_SEL 2297027  The 2297027  The 22008  TOR  TOR  SAZ2  2001  2001  TOR  SAZ2  2001  TOR  SAZ2  2001  TOR  SAZ2  TOR  TOR  TOR  SAZ2  TOR  TOR  TOR  TOR  TOR  TOR  TOR  TO	CONN SMART CARD PURPLANT CARD CARD CARD CARD CARD CARD CARD CARD	PLS2   PP.Mores PP. B   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   8 04001   9 04001   9 04001   9 04001   9 04001   9 0400000000000000000000000000000000000	TE Connectivity  TE Connectivity  Totals Instruments	FSASSAITR  FSASSAITR  AP2112K-3.3TRG
	P10 CS	NY_SEL 2019029 10-18 10-	COMM SMART CARD PUPUL AND A COMMISSION CONTROL OF THE COMMISSION CONTR	PLS2 (PI-More) PIC, 8 6 (AGD) 8 (AGD)	TE Connectivity  TE Connectivity  Totals Instruments	IRLANI, 2402TRPHI
	P10 CS	NY 551 201902 10 10 10 10 10 10 10 10 10 10 10 10 10 1	COMM SMART CARD PUPIL AND ALL	PLS2 (PFM-070 JPC, 8	TE Connectivity  TE Connectivity  Totals Instruments	FSASSAITR  FSASSAITR  AP2112K-3.3TRG
	P10 O2	NY_SIL 2017027  The 2018  108  108  5023  3041  1000  478  3000  1000  478  3000  1000  478  3000  1000  478  3000  1000  478  407  1000	COMM SMART CARD PURPLANCE.  CO	PLS2 (FP.Mcco2PC, B co. 600)  8 0603	TE Connectivity  TE Connectivity  Totals Instruments	FSASSAITR  FSASSAITR  AP2112K-3.3TRG
	P10 O2	NY_SEL 2297902  NY_SEL 2297902  NO	COMM SMART CARD PUPUL AND A COMM SMART CARD CARD CARD CARD CARD CARD CARD CARD	PLS2 (P. MACOS PIC. 8 6 AGGI  8 AGGI	TE Connectivity  TE Connectivity  Totals Instruments	FSASSAITR  FSASSAITR  AP2112K-3.3TRG
	P10 O2	NY_SIL 2017027  The 2018  108  108  5023  3041  1000  478  3000  1000  478  3000  1000  478  3000  1000  478  3000  1000  478  407  1000	COMM SMART CARD PUPIL AND A CO	PLS2 (PFM-0003PC, B	TE Connectivity  TE Connectivity  Totals Instruments	FSASSAITR  FSASSAITR  AP2112K-3.3TRG
	P10 O2	NY_SEL 2297902  NY_SEL 2297902  NO	COMM SMARE CARD PURPLE AND A COMMISSION CONTROL AND A COMMISSION CONTRO	PLS-2 (FP Monos) PIC B (8 cods)  8 cods	TE Connectivity  TE Connectivity  Totals Instruments	FSASSAITR  FSASSAITR  AP2112K-3.3TRG