

Plannummer					Status	Plantitel	Beschreibung
Hauptkategorie	Kategorie	Unterkategorie	fortlaufende Nummer				
0	0	0	- 000 -		A	_ docs	
0	0	0	- 000 -		A	Inhaltsverzeichnis	
0	0	0	- 001 -		A	IoT_Localization_Tracker_Projectdocumentation	
0	1	0	- 000 -		A	Specification / Requirement	
0	1	1	- 000 -		A	Hardware-Specification	
0	1	1	- 100 -		A	Export_pdf	
0	1	1	- 101 -		A	Hardware block diagram	Hardware block diagram
0	1	1	- 200 -		A	Visio	
0	1	1	- 201 -		A	Hardware block diagram	Visio file of Hardware block diagram
0	1	1	- 300 -		A	Data sheet	
0	1	1	- 301 -		A	DW1000	Datasheet of DW1000
0	1	1	- 302 -		A	Arduino Nano BLE 33 Datasheet	Datasheet of Arduino Nano BLE 33
0	1	1	- 303 -		A	Arduino Nano BLE 33 Circuit_Diagram	Circuit Diagram of Arduino Nano BLE 33
0	1	1	- 304 -		A	NINA-B3 DataSheet	Datasheet of NINA-B3
0	1	1	- 305 -		A	LM3671 Datasheet	Datasheet of LM3671
0	1	1	- 306 -		A	Adafruit LM3671 3.3V Buck Converter Breakout Circuit_Diagram	Circuit Diagram Adafruit LM3671
0	1	1	- 307 -		A	EEMB LP542730 Datasheet	Datasheet of LIPO EEMB LP542730
0	1	1	- 308 -		A	AZ-Delivery TP4056 Datasheet	Datasheet of AZ-Delivery TP4056
					A	ESP32 UWB	
0	1	1	- 400 -		A	Data sheet	
0	1	1	- 401 -		A	ESP32 UWB v1.0	Datasheet of DW1000
0	1	1	- 402 -		A	ESP32 UWB v1.0	Datasheet of Arduino Nano BLE 33
0	1	2	- 000 -		A	Software-Specification	
0	1	2	- 100 -		A	Export_pdf	
0	1	2	- 101 -		A	Software block diagram	Software block diagram
0	1	2	- 102 -		A	Software Android Application Prototype	Android Application Prototype
0	1	2	- 200 -		A	Visio_Construction	
0	1	2	- 201 -		A	Software block diagram	Visio file of Software block diagram.
0	1	2	- 202 -		A	Software Android Application Prototype Animation	Link to software prototyp animation.
0	1	2	- 300 -		A	img	
0	1	2	- 301 -		A	Software Android Application Prototype Overview	Overview images of Android Application
0	1	3	- 000 -		A	Norms / Standards / Regulations	
0	1	3	- 100 -		A	Standarts	
0	1	3	- 101 -		A	IEEE 802154-2015	IEEE Standard for Low-Rate Wireless Networks (UWB) IEEE Standard for Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks —Specific requirements (UWB)
0	1	3	- 102 -		A	IEEE 802154a-2007	

0	1	3	-	103	-	A	_	IEEE 802151-2005	Wireless medium access control (MAC)
0	1	3	-	104	-	A	_	BLE_Assigned-Numbers-2022-12-07	and physical layer (PHY) specifications for
0	1	3	-	100	-	A	_	Paper	wireless personal area networks (WPA n s)
0	1	3	-	101	-	A	_	BLE_Indoor_Localization_based_on_Improved_RSSI_and_Trilateration	Assigned Numbers Bluetooth® Document
0	1	3	-	102	-	A	_	Improving_the_precision_of_RSSI-based_low-energy_localization_using_path_loss_exponent_estimation	
0	1	3	-	103	-	A	_	Julier_Uhlmann_mar04	
0	1	3	-	104	-	A	_	RSSI-Based_Indoor_Localization_and_Tracking_Using_Sigma-Point_Kalman_Smoother	
0	2	0	-	000	-	A	_	CAD	
0	2	1	-	000	-	A	_	Construction	
0	2	1	-	100	-	A	_	Export_pdf	
0	2	1	-	101	-	A	_	Construction Tracker (Power Suplay Board nicht aktuell wurde überarbeitet)	PDF-Plan of the construction of the IoT-Location-Tracker
0	2	1	-	102	-	A	_	Construction Galaxy S9 Extension	PDF-Plan of the construction of the Galaxy S9 Extension
0	2	1	-	200	-	A	_	Export Fertigung	
0	2	1	-	201	-	A	_	Tracker CASE Save-Power-Board.step	STEP-File for 3D-Printer
0	2	1	-	202	-	A	_	Tracker CASE.step	STEP-File for 3D-Printer
0	2	1	-	203	-	A	_	Tracker Cover bottom.step	STEP-File for Laser-Cuter
0	2	1	-	204	-	A	_	Tracker Cover top.step	STEP-File for Laser-Cuter
0	2	1	-	205	-	A	_	Galaxy S9 Extension CASE TOP.step	STEP-File for 3D-Printer
0	2	1	-	206	-	A	_	Galaxy S9 Extension CASE BOTTOM.step	STEP-File for 3D-Printer
0	2	1	-	207	-	A	_	Galaxy S9 Extension Back housing cover.step	STEP-File for 3D-Printer
0	2	1	-	300	-	A	_	CAD	
0	2	1	-	301	-	A	_	IoT Location Tracker.igs	IGES-CAD File of IoT Location Tracker
0	2	1	-	302	-	A	_	Logical-Module.igs	IGES-CAD File of Logical-Module
0	2	1	-	303	-	A	_	USB C Power-Supply-Module v10.igs	IGES-CAD File of USB C Power-Supply-Module v10
0	2	1	-	304	-	A	_	Galaxy S9 Extension.igs	IGES-CAD File of Galaxy S9 Extension
0	2	1	-	305	-	A	_	Galaxy S9 Extension-Module.igs	IGES-CAD File of Galaxy S9 Extension-Module
0	2	1	-	306	-	A	_	IoT Location Tracker.sat	ACIS SAT 3D Model of IoT Location Tracker
0	2	1	-	307	-	A	_	Logical-Module.sat	ACIS SAT 3D Model of Logical-Module
0	2	1	-	308	-	A	_	USB C Power-Supply-Module v10.sat	ACIS SAT 3D Model of USB C Power-Supply-Module v10
0	2	1	-	309	-	A	_	Galaxy S9 Extension.sat	ACIS SAT 3D Model of Galaxy S9 Extension
0	2	1	-	310	-	A	_	Galaxy S9 Extension-Module.sat	ACIS SAT 3D Model of Galaxy S9 Extension-Module
0	2	1	-	311	-	A	_	IoT Location Tracker.step	STEP-File for IoT Location Tracker
0	2	1	-	312	-	A	_	Logical-Module.step	STEP-File for Logical-Module
0	2	1	-	313	-	A	_	USB C Power-Supply-Module v10.step	STEP-File for USB C Power-Supply-Module v10
0	2	1	-	314	-	A	_	Galaxy S9 Extension.step	STEP-File for Galaxy S9 Extension
0	2	1	-	315	-	A	_	Galaxy S9 Extension-Module.step	STEP-File for Galaxy S9 Extension-Module
0	2	1	-	316	-	A	_	IoT Location Tracker.stl	STL-File for IoT Location Tracker
0	2	1	-	317	-	A	_	Logical-Module.stl	STL-File for Logical-Module
0	2	1	-	318	-	A	_	USB C Power-Supply-Module v10.stl	STL-File for USB C Power-Supply-Module v10.stl
0	2	1	-	319	-	A	_	Galaxy S9 Extension.stl	STL-File for Galaxy S9 Extension
0	2	1	-	320	-	A	_	Galaxy S9 Extension-Module.stl	STL-File for Galaxy S9 Extension-Module
0	2	1	-	400	-	A	_	Datasheet	
0	2	1	-	401	-	A	_	M2.5 Thread Inserts for 3D-Printed-Part.pdf	Datasheet of M2.5 Thread Inserts for 3D-Printed-Part.pdf
0	2	1	-	402	-	A	_	M2.5 Nut.pdf	Datasheet of M2.5 Nut.pdf
0	2	1	-	403	-	A	_	M2.5 x 5 Countersunk head screw.pdf	Datasheet of M2.5 x 5 Countersunk head screw.pdf

0	2	1	-	404	-	A	-	M2.5x5 Cylinder head screw.pdf	Datasheet of M2.5x5 Cylinder head screw.pdf
0	2	1	-	405	-	A	-	M2 x 6 Countersunk head screw.pdf	Datasheet of M2 x 6 Countersunk head screw.pdf
0	2	1	-	500	-	A	-	Partlist	
0	2	1	-	501	-	A	-	Partlist Construction.xlsx	Partlist of Construction
0	2	1	-	600	-	A	-	Anforderung und Umsetzung	
0	2	1	-	601	-	A	-	Systemanforderungen	
0	2	1	-	602	-	A	-	Umsetzung	
0	2	2	-	000	-	A	-	Circuit_Diagram	
0	2	2	-	100	-	A	-	Export_pdf	
0	2	2	-	101	-	A	-	USB C Power supply module Circuit diagram	USB C Power supply module Circuit diagram pdf
0	2	2	-	102	-	A	-	Logical module Circuit diagram	
0	2	1	-	200	-	A	-	Export Fertigung	
0	2	2	-	201	-	A	-	USBC_Power_supply_module.brd	CAD File Layout of USBC Power supply module
0	2	2	-	202	-	A	-	Logical module Circuit diagram	
0	2	2	-	300	-	A	-	CAD	
0	2	2	-	301	-	A	-	USBC_Power_supply_module.sch (Circuit diagram)	CAD File Circuit diagram of USBC Power supply module
0	2	2	-	302	-	A	-	USBC_Power_supply_module.brd (Layout)	CAD File Layout of USBC Power supply module
0	2	2	-	303	-	A	-	CAD Logic Board.sch (Circuit diagram)	CAD File Circuit diagram of Logic Board
0	2	2	-	304	-	A	-	CAD Logic Board.brd (Layout)	CAD File Layout of Logic Board
0	2	2	-	305	-	A	-	USBC_Power_supply_module.dxf (Layout)	
0	2	2	-	306	-	A	-	CAD Logic Board.dxf (Layout)	
0	2	2	-	400	-	A	-	Datasheet	
0	2	2	-	401	-	A	-	C0805C472KDRCTU	Datersheet Capacitor 0805 4,7nF
0	2	2	-	402	-	A	-	C0603C106M9PACTU	Datersheet Capacitor 0603 10uF
0	2	2	-	403	-	A	-	293D106X9016A2TE3	Datersheet Capacitor Tantalum Electrolytic 10uF
0	2	2	-	404	-	A	-	C0805C475K3PACTU	Datersheet Capacitor 0805 4.7uF
0	2	2	-	405	-	A	-	PRTR5V0U2X,215	Datersheet ESD-Protection
0	2	2	-	406	-	A	-	AP2210N-3.3TRG1	Datersheet Voltage Regulator 3,3V
0	2	2	-	408	-	A	-	12401610E4#2A	Datersheet USB Typ C Connector Female SMD
0	2	2	-	409	-	A	-	TP4056	Datersheet Load controller
0	2	2	-	410	-	A	-	505004-0812	Datersheet Board to Board Connector H 0,75
0	2	2	-	411	-	A	-	503548-0622	Datersheet Board to Board Connector H 0,75
0	2	2	-	412	-	A	-	TLMS1000-GS08	Datersheet Low-Current LED 2mA Red
0	2	2	-	414	-	A	-	RC0402JR-075K1L	Datersheet Resistor 0402 5,1kohm
0	2	2	-	415	-	A	-	CRCW04021M00FKED	Datersheet Resistor 0402 1Mohm
0	2	2	-	416	-	A	-	CR1206-FX-1001ELF	Datersheet Resistor 1206 1kohm +/-1%
0	2	2	-	417	-	A	-	PCF0805R-10KBI	Datersheet Resistor 0805 10kohm
0	2	2	-	418	-	A	-	LP401730	Datersheet Rechargeable Lithium Polymer Akkus 3.7V 160mAh
0	2	2	-	419	-	A	-	NINA-B3_DataSheet_UBX-17052099	Datersheet NINA B3 Modul
0	2	2	-	500	-	A	-	Partlist	
0	2	2	-	501	-	A	-	Partlist Circuit Diagram	Partlist Circuit diagram
0	3	0	-	000	-	A	-	Software	
0	3	1	-	000	-	A	-	Embedded-Software	
0	3	1	-	100	-	A	-	Tracker	
0	3	1	-	101	-	A	-	Tracker_IOT_location_tracker Tracker (PlatformIO Source Code / Dokumentation)	inkl Beschreibung der Applikation
0	3	1	-	102	-	A	-	Readme.pdf	Kopie der Readme.pdf
0	3	1	-	200	-	A	-	Galaxy Extension	
0	3	1	-	201	-	A	-	Tracker_IOT_location_tracker Galaxy extension (PlatformIO Source Code / Dokumentation)	inkl Beschreibung der Applikation

0	3	1	-	202	-	A	_	Readme.pdf	Kapie der Readme.pdf
0	3	2	-	000	-	A	_	Application	
0	3	2	-	001	-	A	_	Class Diagram	Übersichtliche darstellen der wesentlichen klassen.
0	3	2	-	002	-	A	_	032-001-O_README.pdf	Kapie der Readme.pdf
0	3	2	-	003	-	A	_	Android Applikation	inkl Beschreibung der Applikation
0	4	0	-	000	-	A	_	Analyse / Auswertungen	
0	4	1	-	000	-	A	_	Market-Analysis	
0	4	1	-	100	-	A	_	Auswertungen PDF	
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0	4	1	-	200	-	A	_	Data acquisition	
0	4	1	-	201	-	A	_	Market-Analysis	Data acquisition of Market analysis
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0	4	2	-	200	-	A	_	Daten Erhebung	
0	4	2	-	201	-	A	_	Wireless Technilogies for Tracking Systems	Data acquisition of Wireless Technologies for Tracking Systems
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