

		ASSEMBLY NO:			DATE:	03-02-21				
		ASSEMBLY NAME:	Wireless Charger System		PREPARED BY:	Franci Franulovic				
		REVISION:	A		VERIFIED BY:	David Flory				
		SOLDER TYPE:	Lead-Free							
ITEM	QTY	REFERENCE	DESCRIPTION	MFG	MFG P/N	VENDOR	VENDOR P/N	Datasheet URL	NOTES	Unit Price
1	1	RECEIVER	Desktop AC Adapters 65W 48Vout 1.36A	TDK-Lambda	DT62PW480D	Mouser	967-DT62PW480D	https://www.mouser.com/datasheet/2/400/dt62-80-d_e-1825770.pdf		\$53.00
2	1	RECEIVER / TRANSMITTER	Electrical Enclosures IP68/NEMA 6P Plastic Enclosure 5.88" x 4.38" x 2.19" Opaque	Bud Industries	PU-16537	Mouser	967-DT62PW480D	https://www.mouser.com/catalog/specsheets/Bud_PU%20Series_NEMA_6PIP68_PC_Enclosure.pdf		\$25.30
3	1	RECEIVER	Printed Circuit Board	JLC PCB		JLC PCB			Custom made	\$6.68
4	1	TRANSMITTER	Printed Circuit Board	JLC PCB		JLC PCB			Custom made	\$6.69
5	0.1	COIL RECEIVER	Hook-up Wire 14AWG 19/27 PTFE Spool 304.8 m	Alpha Wire	5859 RD005	Mouser	602-5859-100-03	https://www.mouser.com/datasheet/2/14/AW_Product_Specification-1837536.pdf		\$1.98
6	0.1	COIL TRANSMITTER	Hook-up Wire 14AWG 19/27 PTFE Spool 304.8 m	Alpha Wire	5859 RD005	Mouser	602-5859-100-03	https://www.mouser.com/datasheet/2/14/AW_Product_Specification-1837536.pdf		\$1.98
7	4	COIL RECEIVER / TRANSMITTER	Terminals SOLIS DIN 0.5-1.0	TE Connectivity	165291	Mouser	571-165291	https://www.te.com/commerce/DocumentDelivery/DDEController?Action=srchrtrv&DocNm=165291&DocType=Customer+Drawing&DocLang=English&PartCntxt=165291&DocFormat=pdf		\$0.45
8	0.67	COIL RECEIVER	Super-Conductive 101 Copper TubesCopper Tubing 1/8" 3ft spool	Mcmaster-Carr	8965K22	Mcmaster-Carr	8965K22	https://www.mcmaster.com/tubing/od~1-8/material~copper/		\$6.94
9	0.67	COIL TRANSMITTER	Super-Conductive 101 Copper TubesCopper Tubing 1/8" 3ft spool	Mcmaster-Carr	8965K22	Mcmaster-Carr	8965K22	https://www.mcmaster.com/tubing/od~1-8/material~copper/		\$6.94
10	1	Receiver	RRC-SMBus Cable	RRC	RRC-SMBus Cable	Mouser	328-RRCMBUSCABLE	https://www.mouser.com/datasheet/2/836/DS_SMBus_Battery_Cable_B-1360935.pdf		\$22.35
11	2	COIL RECEIVER / TRANSMITTER	Enclosures, Boxes, & Cases SENSOR CUBE WHITE	New Age Enclosures	789-S1A-404012	Mouser	789-S1A-404012	https://www.mouser.com/datasheet/2/290/New_AgeEnclosures_12092019_404012_cube_r1_0-1673104.pdf	Coil enclosure	\$5.70