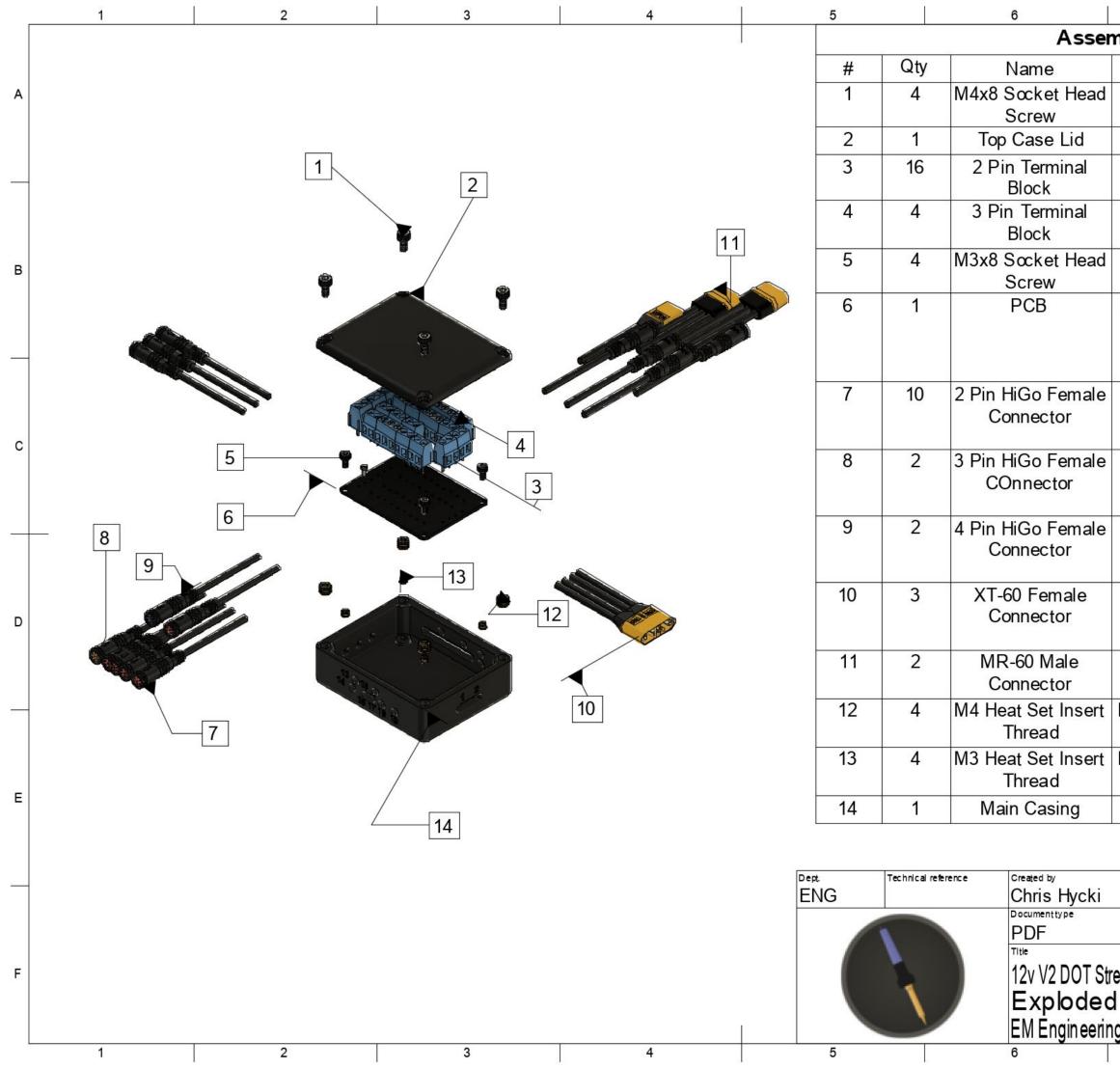
12v V2 DOT Street Legal System **Assembly & Wiring/Pinout Diagram**

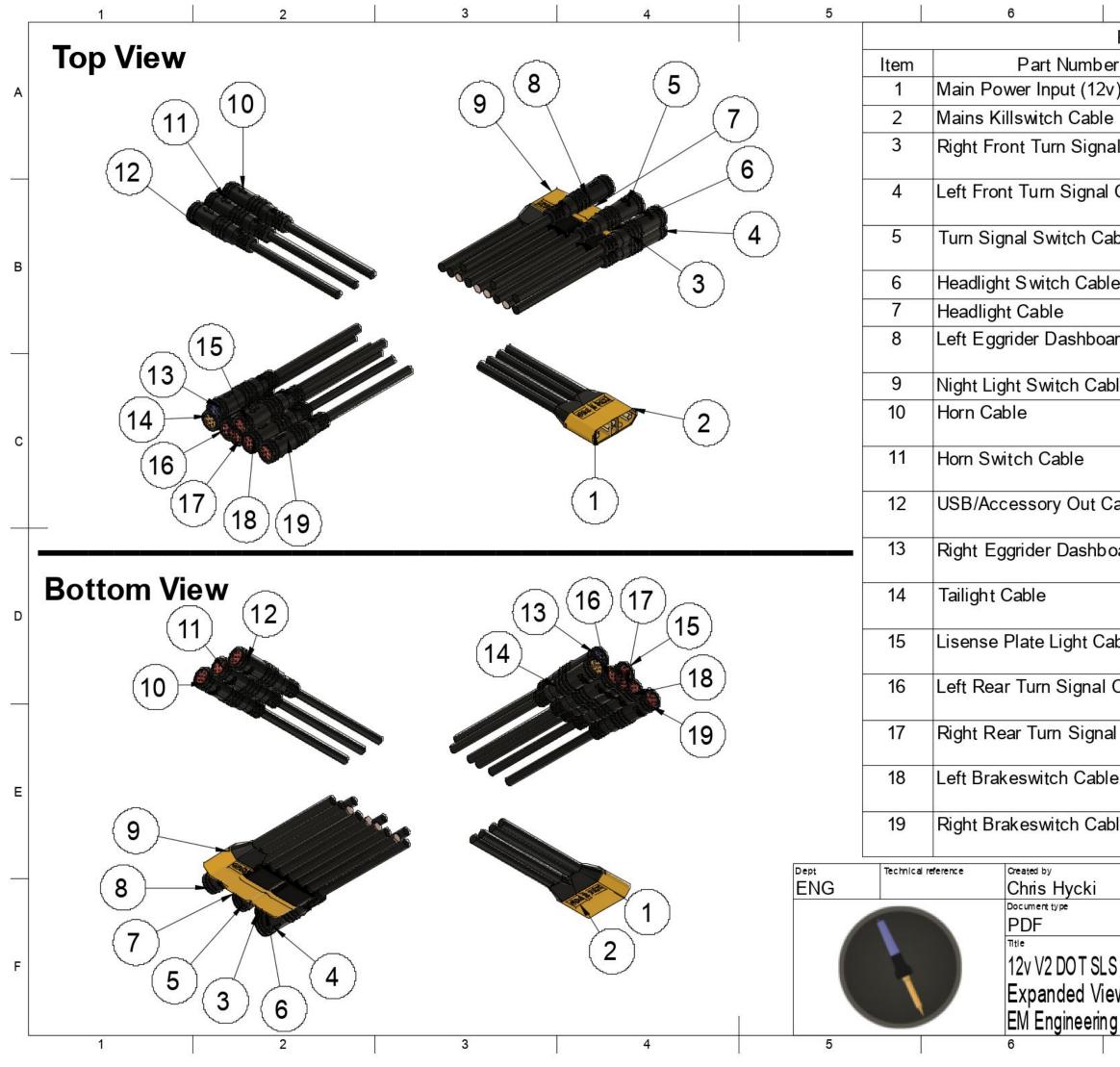


EM Engineering Solutions LLC





7			8		
nbly Table					
Descrip	otion		Mate	rial	ĺ
Lid Retainen	nnt Bdt	s	6061	1 T	A
			Alumi	num	
Case	Lid	5	PET	G	
2 Pin termin soldred to		S	AI/AE	BS	
3 Pin Termin Soldered t		ks	AI/AE	BS	
PCB-Case Re Bolt		ent	606 Alumii		в
Main 12v V2 Legal SYsten Switching ar Distrobu	n PCB nd Pow	for	Fr-4 P	СВ	
Ferruled 2 F Female C Conne	Dutput	0	PV	C	c
Ferruled 3 F Female C Conne	Dutput	0	PV	C	
Ferruled 4 F Female C Conne	Dutput	0	PV	C	
Ferruled 2 F Female C Conne	Dutput	60	Silicon Wire, F		D
Ferruled 3 P Male Output (2002000	Silicon Wire, F		
M4 Brass Hea for Threa		sert	Bras	ŝS	
M3 Brass Hea for Threa	50	sert	Bras	SS	
Main Ca	asing		PET	G	E
	Approved by				
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eet Legal System I Vie w	DWGNo.		1		F
g Solutions LLC		of Issue 19/23		^{Sheet} 2/9	
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Parts List		
r	Description	1
/) Cable	XT-60 Female Connector	A
;	XT-60 Female Connector	
al Cable	HiGo 2-Pin Female Connector	
Cable	HiGo 2-Pin Female Connector	
able	HiGo 3-Pin Female Connector	
е	MR-60 Male Connector	В
	MR-60 Male Connector	
ard Cable	HiGo 4-Pin Female	
	Connector	
ble	XT-60 Female Connector]
	HiGo 2-Pin Female	1
	Connector	с
	HiGo 2-Pin Female	
) a b l a	Connector	
able	HiGo 2-Pin Female Connector —	
oard Cable	HiGo 4-Pin Female	
	Connector	
	HiGo 3-Pin Female	1
	Connector	D
able	HiGo 2-Pin Female	
Cable	Connector HiGo 2-Pin Female	
Capie	Connector	
al Cable	HiGo 2-Pin Female	
	Connector	
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ble	HiGo 2-Pin Female	
	Connector	
6/15/	Approved by 23 Chris Hycki 6/15/23 Documentstatus	
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0.11/1 D1	DWGNo.	1
S Wiring Diagra		F
ew Connecto	Rev. Date of Issue Sheet	
g Solutions LL	.C 1 6/19/23 3/9	
7	8	

	1	2		3	4		5	6	
	ID: 1	Power In (1	l2v)		ID: 2		Mains Kills	switch	
А	Pin #	Connection Name	Wire Color		Pin #	Con	nection Name	Wire Color	
	1	Power In (-)	Black (Corner Side)	12	1	F	ower In (+)	Black (Corner Side)	
	2	Power In (+)	Black (Square Side)		2	P	ower Out (+)	Black (Square Side)	

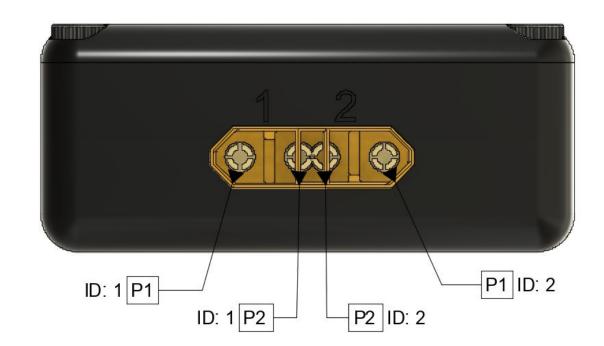
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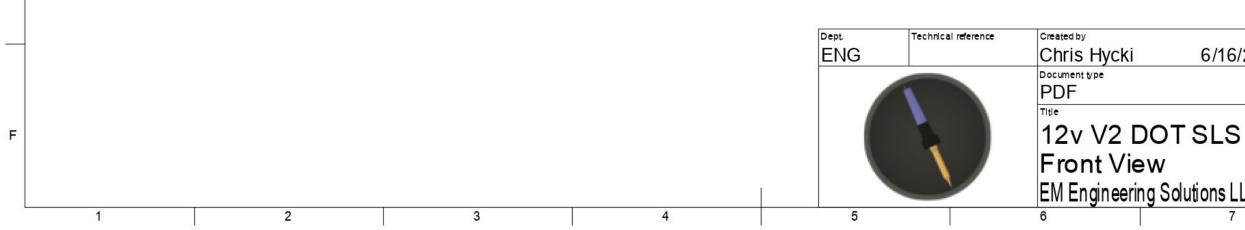
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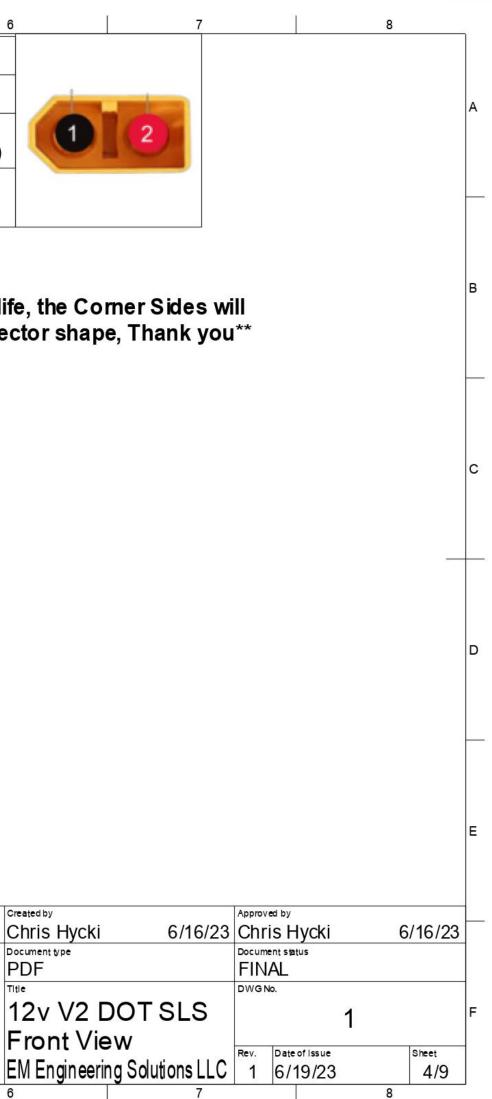
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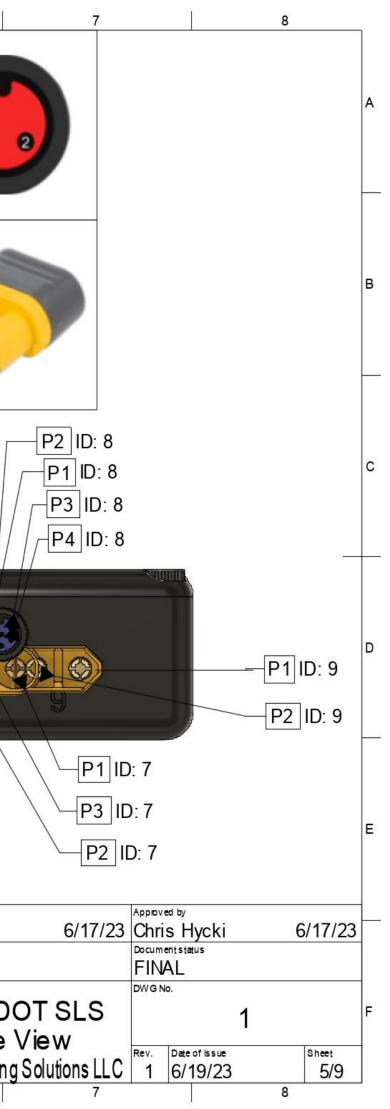
Please Note: The CAD Model Incorrectly Shows the ID: 2 Connector, In real life, the Corner Sides will Allign, Please follow the Pinout Above which shows the pin in relation to connector shape, Thank you







12	2	1	2	3	4	5	[6
	ID: 3	Front Right Tu	ırn Signal		ID: 4	Front Left Tu	ırn Signal	
A	Pin #	Connection Name	Wire Color		Pin #	Connection Name	Wire Color	
	1	Power In (G+)	Blue	1 2	1	Power In (G+)	Blue	0
_	2	Power In (-)	Black		2	Power In (-)	Black	
	ID: 5	Turn Signal	Switch		ID: 6	Headlig	ghts	_
3	Pin #	Connection Name	Wire Color		Pin #	Connection Name	Wire Color	
	1	Power In (+)	Red		1	High Beams	Black (Indept Dip)	
2	2	Left Turn Signal	Blue		2	Low Beams	(Indent Pin) Black	200
-	3	Right Turn Signal	Black		3	Power In (-)	(Leftmost Pin) Black	
		and a second sec			J	Fower III (-)	ID: 5 P1	
	ID: 7	Headlight S]
	Pin #	Connection Name	Wire Color				/ID: 5 P3	
	1	High Beam	Black (Indent Pin)			ID: 3 P2		
	2	Low Beams	Black (Leftmost Pin)	200				
	3	Power In (+)	Black (Center Pin)					
	ID: 8	Eggrider Dashb						
ן ר	Pin #	Connection Name	Wire Color					
ľ	1	Brake Lights	Red					
Ī	2	Night Light	Blue					° / /
	3	Power In (-)	Black			ID: 4 F	2	
	4	Left Turn Signal	Yellow					P3 P1
	ID: 9	Night Light	Switch			ID: 4 P	• •	D: 6 ID: 6
E	Pin #	Connection Name	Wire Color					
	1	Power In (+)	Black (Corner Side)			Dept.		Created by
	2	Power Out (+)	Black (Square Side)			ENG		Chris Hycki ^{Documenttype} PDF
F		ase Note: Connecto ncy, please refer to t						™ 12v V2 D0 Left Side ` EM Engineering
L		1	2	3	4	5		6

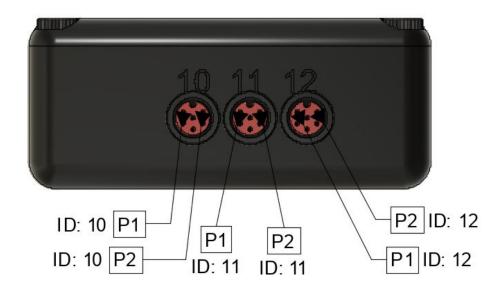


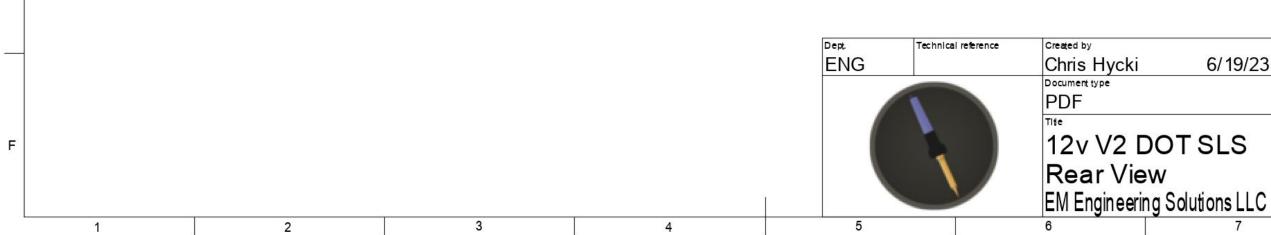
		1		2		3	4		5			6	
	ID: 10		Hor	n			ID: 11		Horn Sv	vitch			
A	Pin #	Connection	n Narm e	Wire Col	or		Pin #	Conne	ction Name	Wire	e Color		5
	1	Power I	n (+)	Blue		1 2	1	Pow	er Out (+)	В	Blue	0	
	2	Powerl	n (-)	Black			2	Pow	ver In (+)	В	lack		
	ID: 12	US	B/Acces	ssory Out									
в	Pin #	Connection	n Nam e	Wire Col	or								
	1	Power I	n (+)	Blue		1 2							
	2	Powerl	n (-)	Black									

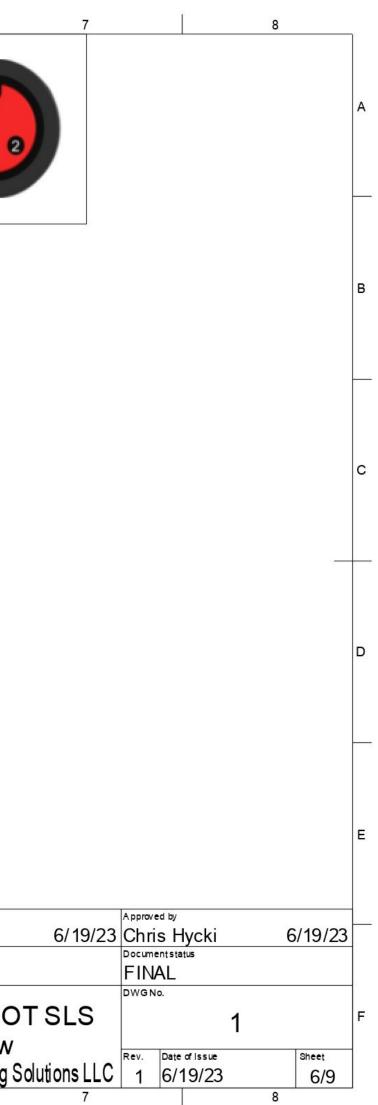
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				3	4	5		6
I	D: 13	Eggrider Dashboa	ard (Right)		ID: 14	Tailigh	nt	
I	Pin #	Connection Name	Wire Color		Pin #	Connection Name	Wire Color	
	1	System Power (+)	Red		1	Night Lights	Red	
	2	Night Light	Blue		2	Brake Lights	Blue	
	3	System Power (-)	Black				1000 A. 500 C	
	4	Right Turn Signal	Yellow		3	Power In (-)	Black	-
I	D: 15	License Plate	Light		ID: 16	Rear Left Tur	n Signal	
1	Pin #	Connection Name	Wire Color		Pin #	Connection Name	Wire Color	
	1	Power In (+)	Blue	0 2	1	Power In (G+)	Blue	
	2	Power In (-)	Black		2	Power In (-)	Black	
I	D: 17	Rear Right Tun	n Signal				ID: 13 P3	
1	Pin #	Connection Name	Wire Color				ID: 13 P4	
	1	Power In (G+)	Blue	1 2			ID: 13 P1	
	2	Power In (-)	Black				ID: 13 P2	
I	D: 18	Left Brakes	witch				4.5	
I	Pin #	Connection Name	Wire Color				1 З) 4 д (😤	
	1	Power Out (+)	Blue	1 2				18
	2	Power In (+)	Black				ID: 14 P1	
	D: 19	Right Brakes	witch					
	Pin #	Connection Name	Wire Color			ļ	ID: 14 P3 ID.	. D.
	1	Power Out (+)	Blue	1 2		Dept		Created by
	2	Power In (+)	Black			ENG		Chris Hy Document type PDF
								™ 12v V Right

