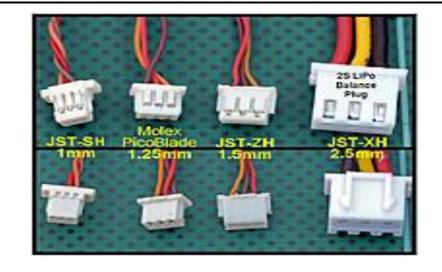
						Wire A	WG for	Plugs, Ser	vo, Bat	teries, M	otors and	ESC's								
	Silicone	Wire		Plug	/ Bullet / Pin				Lipo	Battery				ESC				Mot	or	
Wire AWG	Cold Amp.	Warm Amp.	Hot Amp.	Туре	Pin Dia.	Max AWG	Max Amp.	Battery mah	Cell "S"	Wire AWG	Batt. Plug	ESC Amps.	Power Plug	Power cable	Motor Plug	Motor cable	Can Dia.	Power Watts	Wire AWG	Plug
				Dupont_DIP_3 JST	-SH Servo pin, 2	2.54mm pitch														
32	0.8	2	4	Servo	Submicro	32	2													
28	1	4	6	Servo	Micro	28	3													
26	1.25	5	7	Servo	Std	26	3													
24	3	7	10	JST		24	8													
22	8	10	13	Servo	H/duty	22	3										22mm	80w		2.5mm
20	10	15	20	2mm Bullet 2.3mm Bullet	2mm 2.3mm	20 20	15 15	300-800	1s/2s	20	JST	6 to 10	JST		2mm	20				
18	15	20	25	EC2	2mm	18	20	650-900	3s/4s	18	XT30	20 to 30	XT30 EC3	16 16	3.5mm	18 16	28mm	300W		3.5mm
16	20	25	35	XT30 XT30U	2.5mm 2.5mm	16 16	30 35	1000-1800	2s/6s	16	XT60	40	XT60	16	3.5mm	16	35mm	600W eFlite 10-15	16 16	3.5mm 3.5mm
14	30	35	55	3.5mm Bullet XT60 EC3 Deans Dualsky DC3		14 (12 Max. 14 (12 Max. 14 14 12	40 60 60 60	-2800 -3000 -4000	2s/6s 2s/6s 2s/6s	14 12 or 13 12	XT60 EC3 XT60	50 60	EC3 EC3 XT60 XT60	13 13 12 14	3.5mm 3.5mm 3.5mm	16 13 14 14	42mm	1000w eFlite 32-60 eFlite 90-12	14	3.5mm 3.5mm
12	35	45	75	4mm Bullet	4mm	12	80	4400-5000	3s/6s	10	EC5	80	EC3	10	3.5mm	12	50mm	1500W 2500W	12 12	4mm 4mm
10	50	60	90	HXT 4mm EC5	4mm 4mm	10 or 12 10 or 12	80 100	3000-4500 3000-6000	3s/6s 3s/6s 4s/6s	8	HXT 4mmn	 	HTX 5.5mm	10	3.5mm	10	3011111	2300VV	12	4111111
8	65	75	100	XT90	4.5mm	8 or 10	120	3000 0000	43/03	o	XIJO	100	111X 3.511III	10	3.311111	10				
				5mm Bullet	5mm	8		5000	3s/4s	8	HXT 5.5mm	90 to 150 120	XT90 EC3	8	5.5mm 4mm	14 10				
				5.5mm Bullet HXT 5.5mm	5.5mm 5.5mm	8		3000	33, 43	J	11,71 3.31111	120	203	Ü	711111	10		FI:: 400		6.5
6		100	135	6mm Bullet XT150	6mm 6mm		120 150											eFlite 180 eFlite 360		6.5mm 6.5mm
				8mm Bullet	8mm		200											ei iite 300		0.511111

			Connector/ Pin		l	Wire	Silicone	
Amp	AWG	Pin Spacing	Common Name Use	Туре	Hot Amp.	Warm	Cold Amp.	Vire
0.8	32 30	1mm	Nano or Micro Mini (UMX Micro Planes)	JST-SH	4	2	0.8	32
1	28		(Flight Controller)					
1.25	26		(Video cable)		5	3	0.8	30
1	32 - 26	1.25mm	Locking Housing	JST-GH				
1 0.8	24 - 30 32	1.25mm	Futaba Micro (3/4 /6 pin Camera) (Video cable)	Molex Picoblade	6	4	1	28
1	26 - 32	1.25mm		Hirose DF-13				
1		1.5mm	Micro (Spectrum Satellite)	JST-ZH	7	5	1.25	!6
2		2mm		JST-PH				
2		2mm		Molex 51005/51006	10	7	3	24
3	22 -26	2.5mm	JST	JST-RCY				
1	28		(Common Red 2 Pin Power)		13	10	8	22
3	22	2.5mm	Lipo Balance Plug	JST-XH				
3 G 20)	22 -28 ons use AW	2.54mm (0.1") long extensi	Standard Futaba and JR Servo pin (Heavy Duty and	Standard Servo	20	15	10	20



JST-PH and JST-XH standard servo pins



Common Plugs for RC Models

<u>Note</u> - Usually Gender is based on the metal pins not on the housing's. JST's gender is based on housing.

Standard Bullet Connectors



4.0mm Standard Bullet Connectors

XT Connector's







XT90 Male Plug

(on ESC

XT90 Female Plug (on Battery)



Relative Size of XT plugs



Connector XT150 6mm Red



Connector XT150 6mm Black



3.5mm Male EC3 Connector (large housing to ESC, charger etc.)



Female EC3 (small housing to battery)



3P EG5 Connector

2P EC5 Connector



EC3 Connector

EC2 Connector



New EC3 Connector



New EC5 Connector



HXT 4mm (Be careful with the polarity of these plugs.)

<u>Warning</u> if using multiple batteries in a model ,it is possible to connect two batteries together in a short circuit.



Battery Terminal 4.0mm gold connector

- * Positive / Red lead = FEMALE pin inside large size connector tube
- * Negative / Black lead = MALE pin inside small size connector tube.





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ESC, Charger, Motor , Load etc, 4.0mm gold connector

- * Positive / Red lead = MALE pin inside small size connector tube.
- * Negative / Black lead = FEMALE pin inside large size connector tube



JST RCY Connector



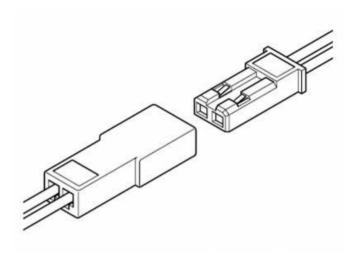
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JST Male housing connector (note gender based on housing not pin)



JST female housing connector

(note gender based on housing not pin)



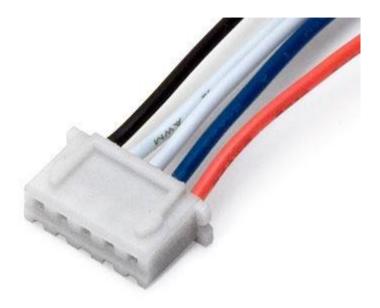
Polarity



Male Housing (female pin) on Battery



Female Housing (male pin) on ESC/Motor etc.



Connector Balance JST-XH 4S

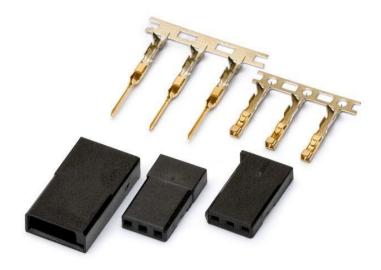




Female Housing (with Male pins)



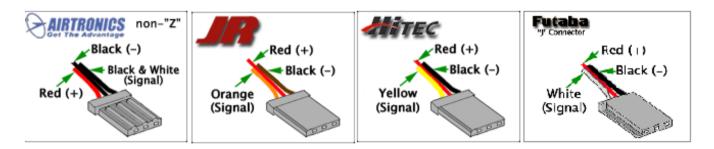
Male Housing (with Female pins)



Connector Futaba gold plated pair



Futaba RX Battery Connector



Four Common Servo Wiring codes.