

TAMIYA IR Transmitter, Receiver, and Recoil Unit Adapters

1. Purchase Adapter PCB Boards from OSH Park

[2 Pin board - for Tamiya IR LED](#)

[3 Pin board - for Tamiya Recoil Unit](#)

[5 Pin board - for Tamiya IR Receiver \(aka "apple"\)](#)

2. Molex Micro-Latch Series Right Angle Headers - Solder to adapter boards

Manufacturer	Description	Part Number	DigiKey Part	Qty	Notes
Molex - Micro-Latch	CONN HEADER 2POS 2MM RT ANG TIN	532540270	WM18999-ND	1	2 position header - right angle - for Tamiya IR LED
Molex - Micro-Latch	CONN HEADER 3POS 2MM RT ANG TIN	53254-0370	WM19000-ND	1	3 position header - right angle - for Tamiya Recoil Unit
Molex - Micro-Latch	CONN HEADER 5POS 2MM RT ANG TIN	532540570	WM19002-ND	1	5 position header - right angle - for Tamiya Apple

3. JST-XH Plugs - Create pigtails and solder leads to adapter boards

Easy Way - Buy Pre-Made Pigtails on eBay

Do a search for:	JST XH 2 Pin	1	You can easily find pre-made leads on eBay.
	JST XH 3 Pin	1	Simply solder them to your adapter boards -
	JST XH 5 Pin	1	no crimping required.

Hard Way - Make Your Own Pigtails

Manufacturer	Description	Part Number	DigiKey Part	Qty	Notes
JST - XH	CONN HOUSING 2.5MM 2POS	XHP-2	455-2266-ND	1	2 position plug
JST - XH	CONN HOUSING 2.5MM XH 3POS	XHP-3	455-2219-ND	1	3 position plug
JST - XH	CONN HOUSING 2.5MM 5POS	XHP-5	455-2268-ND	1	5 position plug
JST - XH	CONN TERM CRIMP XH 22-28AWG	SXH-001T-P0.6	455-1135-1-ND	10	22-28 AWG crimp terminals for plugs above

Plus you will need ~26 AWG wire and a special crimper

