

## Turn R8 LMS DIY BILL OF MATERIALS

PRODUCT NAME	Turn R8 LMS	CONTACT INFO
APPROVED BY	Zach Hodgson	support@turnracing.com
TOTAL COST	Varies	










### Hardware Suppliers









<https://www.albanycountyfasteners.com/>

<https://www.accu.co.uk/en/>

<https://www.gwr-fasteners.co.uk/>

PART NUMBER	PART NAME	DESCRIPTION	PART IMAGE	QUANTITY	SUPPLIER / MANUFACTURER	UNIT COST	TOTAL PART COST
	Turn Paddle Shifter	Anodized aluminum neodymium snap action shifter		1 (pair)	<a href="https://www.turnracing.com/collections/accessories/products/turn-paddle-shifter">https://www.turnracing.com/collections/accessories/products/turn-paddle-shifter</a>	\$ 145.00	\$ 145.00
BU0836A	USB Controller	A small USB joystick interface board without USB Type B port		1	<a href="http://www.leobodnar.com/shop/index.php?main_page=product_info&amp;cPath=94&amp;product_id=219">http://www.leobodnar.com/shop/index.php?main_page=product_info&amp;cPath=94&amp;product_id=219</a>	\$ 35.43	\$ 35.43
BU0836A	Breakout Board	A small add on board that provides an easy matrix circuit for the BU0836A		1	<a href="http://www.leobodnar.com/shop/index.php?main_page=product_info&amp;cPath=94&amp;product_id=274">http://www.leobodnar.com/shop/index.php?main_page=product_info&amp;cPath=94&amp;product_id=274</a>	\$ 21.25	\$ 21.25
	CTS288	Rotary encoder CTS 288 Short Shaft		3	<a href="http://www.leobodnar.com/shop/index.php">http://www.leobodnar.com/shop/index.php</a>	\$ 6.37	\$ 19.11
	Knob	Knob for CTS288 Encoders		3	<a href="http://www.leobodnar.com/shop/index.php">http://www.leobodnar.com/shop/index.php</a>	\$ 3.53	\$ 10.59
	Lumberg SV 40	DIN Connector		1	<a href="https://www.alliedelec.com/product/lumberg">https://www.alliedelec.com/product/lumberg</a>	\$ 6.36	\$ 6.36
	Coiled USB Cable	Coiled USB Cable		1	<a href="https://www.simracingmachines.com/WebSite">https://www.simracingmachines.com/WebSite</a>	\$ 10.42	\$ 10.42

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IPP3SAD2	Apem Black Flat Top Push Button	This is the same button used in the real car. They are what I use on the Turn R8 LMS wheel as well. They are quite expensive and difficult to source so I put a link to a page that shows several suppliers with prices		10	<a href="https://octopart.com/ipp3sad2-apem-7548694">https://octopart.com/ipp3sad2-apem-7548694</a>	\$ 23.58	\$ 235.80
	CW Industries Push Button	Low cost flat top button alternative		10	<a href="https://www.digikey.com/en/products/detail/cw-industries/GPB556A05BB/3193531">https://www.digikey.com/en/products/detail/cw-industries/GPB556A05BB/3193531</a>	\$ 5.77	\$ 57.70
GPB556A05BB							
PV5S24011	E-Switch Push Button	momentary switch (domed)		10	<a href="https://www.digikey.com/product-detail/en/e-switch/PV5S24011/EG5949-ND/4028816">https://www.digikey.com/product-detail/en/e-switch/PV5S24011/EG5949-ND/4028816</a>	\$ 4.51	\$ 45.10
	M2.5 x 25mm Flathead	M2.5 x 0.45 mm Thread, 25 mm Long		4	<a href="https://www.mcmaster.com/91294A540/">https://www.mcmaster.com/91294A540/</a>	\$ 0.52	\$ 2.08
	M2.5 Locknut	M2.5 Locknut		12	<a href="https://www.accu.co.uk/en/hexagon-nylon-locking-nuts/7943-HNN-M2-5-A2">https://www.accu.co.uk/en/hexagon-nylon-locking-nuts/7943-HNN-M2-5-A2</a>	\$ 0.89	\$ 10.68
	M4 x 12mm Flathead	M4 x 12mm Socket Countersunk Screw		4	<a href="https://www.accu.co.uk/en/countersunk-socket-head-screws/153286-SSK-M5-45-A2-BL">https://www.accu.co.uk/en/countersunk-socket-head-screws/153286-SSK-M5-45-A2-BL</a>	\$ 0.46	\$ 1.84
	M5 x 15mm Flathead	M5 X 15mm Socket Countersunk Screw		2		\$ 0.45	\$ 0.90
	M5 x 45mm Flathead	M5 X 45mm Socket Countersunk Screws		3	<a href="https://www.accu.co.uk/en/countersunk-socket-head-screws/153286-SSK-M5-45-A2-BL">https://www.accu.co.uk/en/countersunk-socket-head-screws/153286-SSK-M5-45-A2-BL</a>	\$ 0.62	\$ 1.86
	M5 x 25mm Cap head	M5 X 25mm Cap Head Screws		6	<a href="https://www.accu.co.uk/en/cap-head-screws/153286-SSK-M5-45-A2-BL">https://www.accu.co.uk/en/cap-head-screws/153286-SSK-M5-45-A2-BL</a>	\$ 0.10	\$ 0.60

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	M5 x 20mm Cap head	M5 X 20mm Full Thread Cap Head Screws		2	<a href="https://www.accu.co.uk/en/cap-head-screws">https://www.accu.co.uk/en/cap-head-screws</a>	\$ 0.08	\$ 0.16
	M5 Nylon Locknut	M5 Locknut		11	<a href="https://www.accu.co.uk/en/hexagon-nylon-locking-nuts/7947-HNN-M5-A2">https://www.accu.co.uk/en/hexagon-nylon-locking-nuts/7947-HNN-M5-A2</a>	\$ 0.72	\$ 7.92
KVF 40	4 pin connector	Connector Socket PA GF (Body) Front Mount VDC IEC Approved		1	<a href="https://www.alliedelec.com/product/lumberg/kfv-40/70151670/">https://www.alliedelec.com/product/lumberg/kfv-40/70151670/</a>	\$ 3.27	\$ 3.27
TOTAL							Varies