

# Amphenol® LTW®

Amphenol LTW



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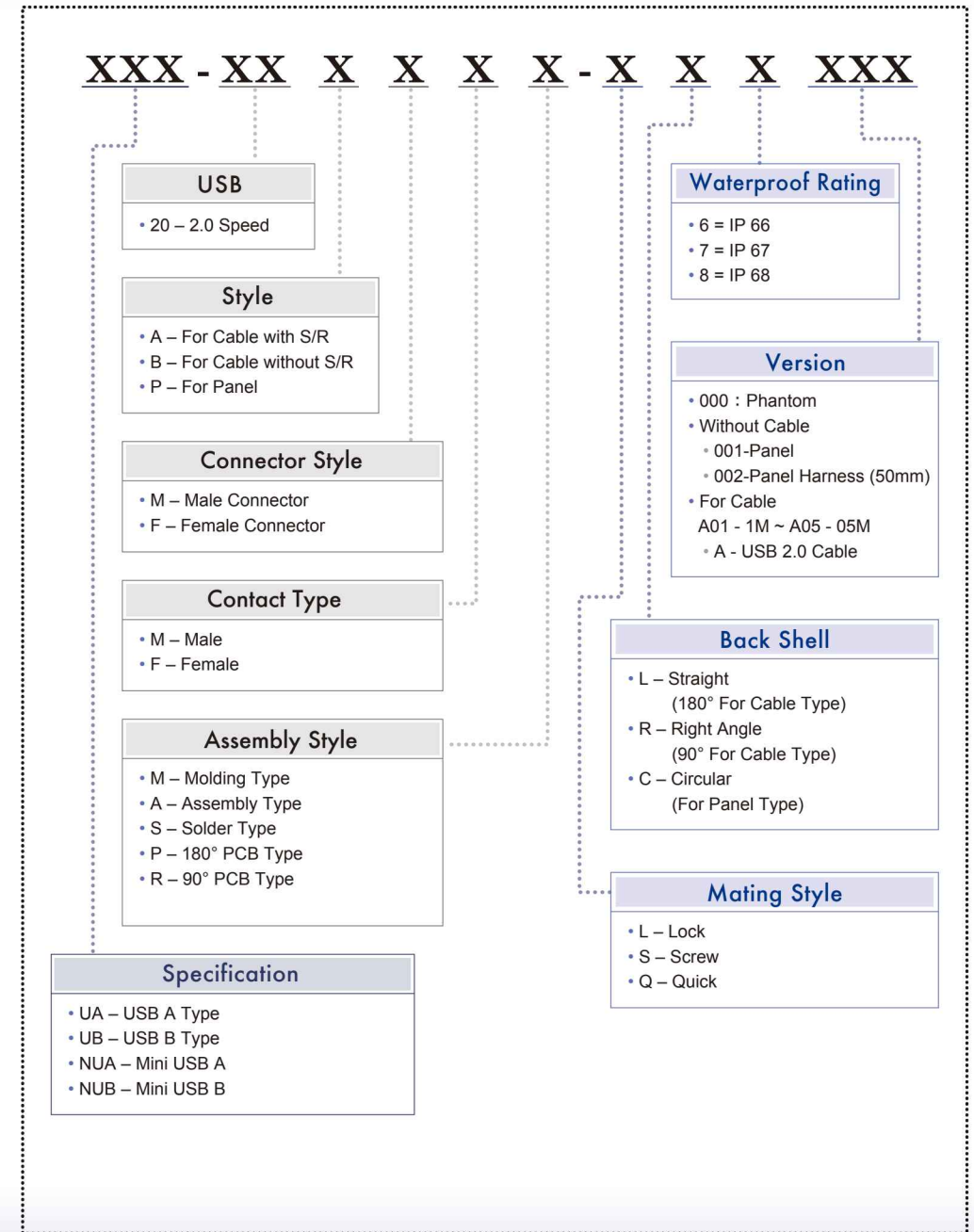
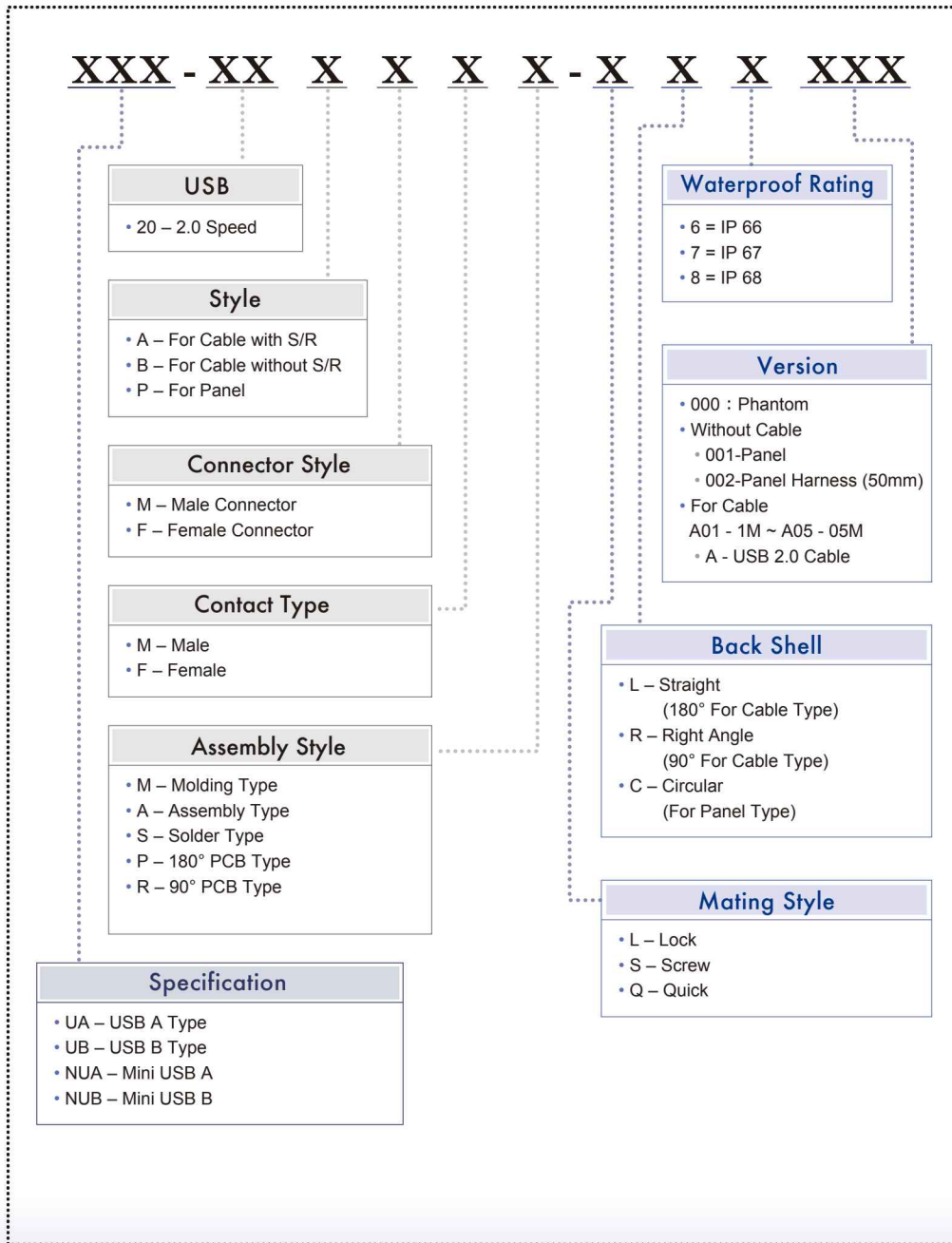
Waterproof Connector Solutions

## Amphenol® LTW® Innovation in Waterproof Solution



### Complete Range of Waterproof Connectors & Cable Assembly

[www.amphenolltw.com](http://www.amphenolltw.com)


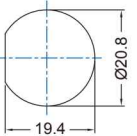


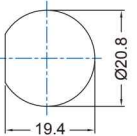



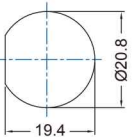




SPECIFICATIONS

No.	Specifications	Standard Value
01. Identifications	USB A Type USB B Type	
02. Description	Panel Mount, Molded with Cable and Field Installable	
03. Current Rating	USB: 1.5A Mini USB: 1A	
04. Speed	480Mbps	
05. Material	Contacts: Copper Alloy, Gold Plated Connector Body: PBT UL94V-0	
06. Temperature Range	-20°C to +80°C	
07. Waterproof Rating	IP67, IP68	
08. Contact Resistance	≤30mΩ Max	
09. Insulation Resistance	≥1000mΩ Min	
10. Breakdown Voltage	≥AC 500V / 1 Minute	
11. Standard Cable Length (for Molded Cable)	1-5M (Standard Cable: USB2.0)	

Male Connector		Mating Parts		Accessories
CONNECTOR	P/N	CONNECTOR	P/N	
 <p><b>1</b></p> <p><b>LTWUA-20PMFP-LC7</b> </p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB A Type</li> <li>• Male Connector</li> <li>• PCB 180°</li> <li>• With or without Flying Lead</li> <li>• IP 67</li> <li>•  Means Different Versions</li> </ul> <p><b>PANEL CUT-OUT</b></p> 		 <p><b>LTWUA-20AFMM-L</b>  <b>7AXX</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB A Type</li> <li>• Female Connector</li> <li>• Cable Length 1 to 5 Meters</li> <li>• IP 67</li> <li>•  180° or 90° In-line Molded Type</li> <li>• With SR</li> </ul>		 <p>Waterproof Cover with Chain</p>
 <p><b>2</b></p> <p><b>LTWUB-20PMFP-LC7</b> </p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB B Type</li> <li>• Male Connector</li> <li>• PCB 180°</li> <li>• With or without Flying Lead</li> <li>• IP 67</li> <li>•  Means Different Versions</li> </ul> <p><b>PANEL CUT-OUT</b></p> 		 <p><b>LTWUB-20AFMM-L</b>  <b>7AXX</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB B Type</li> <li>• Female Connector</li> <li>• Cable Length 1 to 5 Meters</li> <li>• IP 67</li> <li>•  180° or 90° In-line Molded Type</li> <li>• With SR</li> </ul>		 <p>Waterproof Cover with Rubber Lead</p>

Male Connector		Mating Parts 1~3		Accessories
CONNECTOR	P/N	CONNECTOR	P/N	
 <p><b>1</b></p> <p><b>LTWUA-20PMFP-SC8△XX</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB A Type</li> <li>• Male Connector</li> <li>• PCB 180°</li> <li>• IP 68</li> <li>• △ With or without Flying Lead</li> </ul> <p><b>PANEL CUT-OUT</b></p> 				 <p>Waterproof Cover with Chain</p>
 <p><b>2</b></p> <p><b>LTWUA-20AMFM-SL7AXX</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB A Type</li> <li>• Male Connector</li> <li>• In-line Molded Type</li> <li>• With SR</li> <li>• Cable Length 1 to 5 Meters</li> <li>• IP 67</li> </ul> <p><b>PANEL CUT-OUT</b></p> 		 <p><b>LTWUA-20BFMM-SL7AXX</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB A Type</li> <li>• Female Connector</li> <li>• In-line Molded Type</li> <li>• Without SR</li> <li>• Cable Length 1 to 5 Meters</li> <li>• IP 67</li> </ul>		 <p>Waterproof Cover with Rubber Lead</p>
 <p><b>3</b></p> <p><b>LTWUA-20BMFA-SL8001</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB A Type</li> <li>• Male Connector</li> <li>• Field Installable</li> <li>• Without Cable</li> <li>• IP 68</li> </ul> <p><b>PANEL CUT-OUT</b></p> 				 <p>Waterproof Cover with Fish Line</p>
				 <p>Waterproof Box</p>

Male Connector		Mating Parts 4~6		Accessories
CONNECTOR	P/N	CONNECTOR	P/N	
 <p><b>4</b></p> <p><b>LTWUB-20PMFP-SC8△XX</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB B Type</li> <li>• Male Connector</li> <li>• PCB 180°</li> <li>• IP 68</li> <li>• △ With or without Flying Lead</li> </ul> <p><b>PANEL CUT-OUT</b></p> 				 <p>Waterproof Cover with Chain</p>
 <p><b>5</b></p> <p><b>LTWUB-20AMFM-SL7AXX</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB B Type</li> <li>• Male Connector</li> <li>• In-line Molded Type</li> <li>• With SR</li> <li>• Cable Length 1 to 5 Meters</li> <li>• IP 67</li> </ul> <p><b>PANEL CUT-OUT</b></p> 		 <p><b>LTWUB-20BFMM-SL7AXX</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB B Type</li> <li>• Female Connector</li> <li>• In-line Molded Type</li> <li>• Without SR</li> <li>• Cable Length 1 to 5 Meters</li> <li>• IP 67</li> </ul>		 <p>Waterproof Cover with Rubber Lead</p>
 <p><b>6</b></p> <p><b>LTWUB-20BMFA-SL8001</b></p> <p><b>FEATURES:</b></p> <ul style="list-style-type: none"> <li>• USB B Type</li> <li>• Male Connector</li> <li>• Field Installable</li> <li>• Without Cable</li> <li>• IP 68</li> </ul> <p><b>PANEL CUT-OUT</b></p> 				 <p>Waterproof Cover with Fish Line</p>
				 <p>Waterproof Box</p>

# 145 USB Screw Style: Mini USB

Male Connector		Mating Parts 1 ~ 4		Accessories
CONNECTOR	P/N	CONNECTOR	P/N	
	<b>1</b> <b>LTWNUB-20PMFP-SC7001</b> <b>FEATURES:</b> <ul style="list-style-type: none"> <li>• Male Connector</li> <li>• PCB 180°</li> <li>• IP 67</li> </ul>			 Waterproof Cover with Chain
	<b>2</b> <b>LTWNUB-20PMFR-SC7001</b> <b>FEATURES:</b> <ul style="list-style-type: none"> <li>• Male Connector</li> <li>• PCB 90°</li> <li>• IP 67</li> </ul>		<b>LTWNUB-20AFMM-SL7AXX</b> <b>FEATURES:</b> <ul style="list-style-type: none"> <li>• Female Connector</li> <li>• In-line Molded Type (Cable to Cable) with SR</li> <li>• Cable Length 5 Meters Max</li> <li>• IP 67</li> </ul>	 Waterproof Cover with Rubber Lead
	<b>3</b> <b>TWNUB-20BMFA-SL7001</b> <b>FEATURES:</b> <ul style="list-style-type: none"> <li>• Male Connector</li> <li>• Field Installable</li> <li>• Without SR</li> <li>• IP 67</li> </ul>			 Waterproof Cover
	<b>4</b> <b>LTWNUB-20AMFM-SL7AXX</b> <b>FEATURES:</b> <ul style="list-style-type: none"> <li>• Male Connector</li> <li>• In-line Molded Type (Cable to Cable) with SR</li> <li>• Cable Length 5 Meters Max</li> <li>• IP 67</li> </ul>			

## PANEL CUT-OUT

