

Amphenol® LTW®

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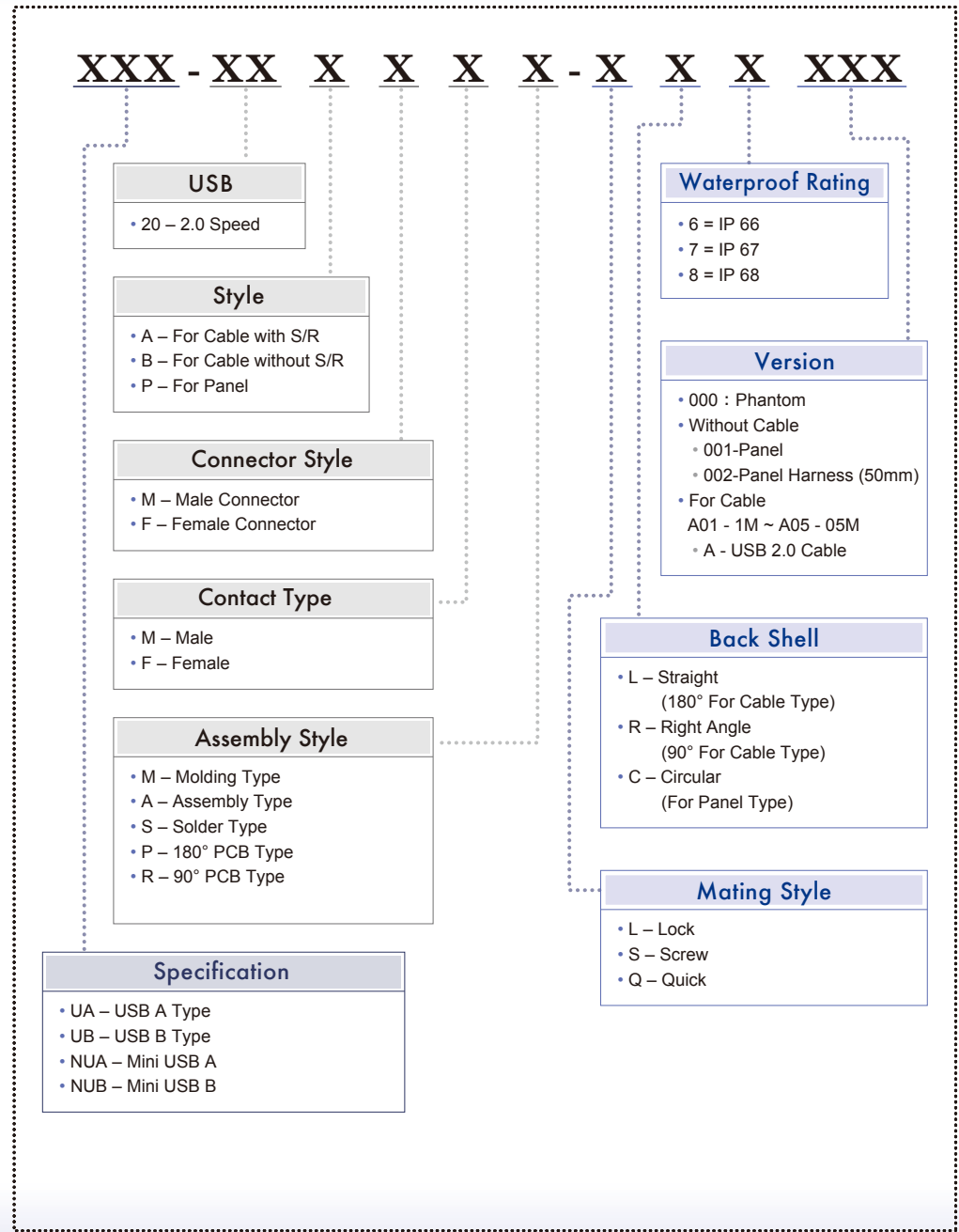
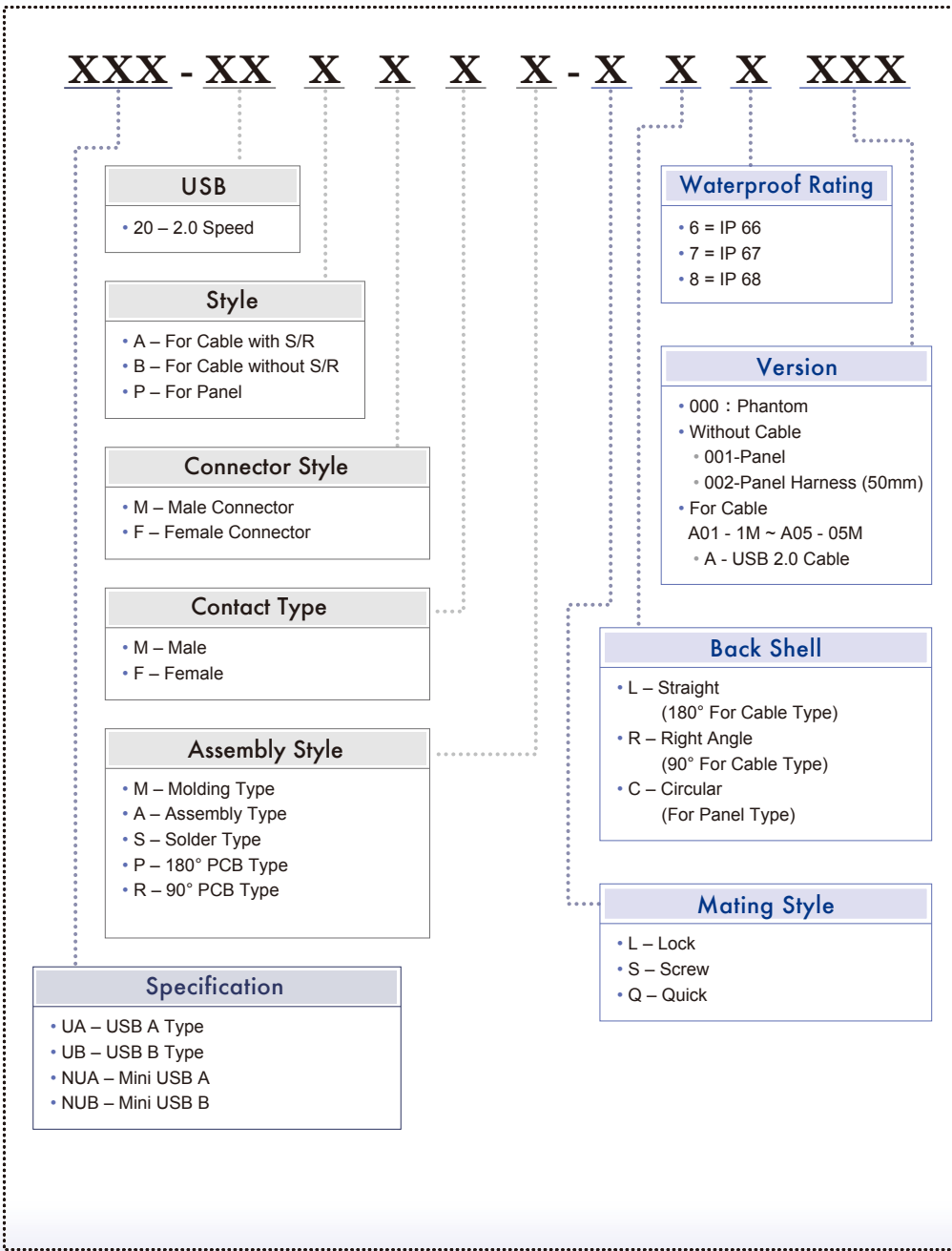


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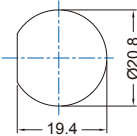


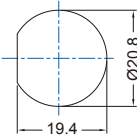


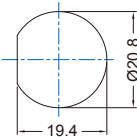




SPECIFICATIONS

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)

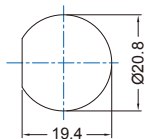
Male Connector		Mating Parts		Accessories
CONNECTOR	P/N	CONNECTOR	P/N	
 <p>1</p> <p>LTWUA-20PMFP-LC7△</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • USB A Type • Male Connector • PCB 180° • With or without Flying Lead • IP 67 • △ Means Different Versions <p>PANEL CUT-OUT</p> 		 <p>LTWUA-20AFMM-L△7AXX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

Male Connector		Mating Parts 1~3		Accessories
CONNECTOR	P/N	CONNECTOR	P/N	
 <p>1</p> <p>LTWUA-20PMFP-SC8△XX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • USB A Type • Male Connector • PCB 180° • IP 68 • △ With or without Flying Lead <p>PANEL CUT-OUT</p> 				 <p>Waterproof Cover with Chain</p>
 <p>2</p> <p>LTWUA-20AMFM-SL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • USB A Type • Male Connector • In-line Molded Type • With SR • Cable Length 1 to 5 Meters • IP 67 <p>PANEL CUT-OUT</p> 		 <p>LTWUA-20BFMM-SL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • USB A Type • Female Connector • In-line Molded Type • Without SR • Cable Length 1 to 5 Meters • IP 67 		 <p>Waterproof Cover with Rubber Lead</p>
 <p>3</p> <p>LTWUA-20BMFA-SL8001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • USB A Type • Male Connector • Field Installable • Without Cable • IP 68 <p>PANEL CUT-OUT</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>4</p> <p>LTWUB-20PMFP-SC8△XX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • USB B Type • Male Connector • PCB 180° • IP 68 • △ With or without Flying Lead <p>PANEL CUT-OUT</p> 				 <p>Waterproof Cover with Chain</p>
 <p>5</p> <p>LTWUB-20AMFM-SL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • USB B Type • Male Connector • In-line Molded Type • With SR • Cable Length 1 to 5 Meters • IP 67 <p>PANEL CUT-OUT</p> 		 <p>LTWUB-20BFMM-SL7AXX</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • USB B Type • Female Connector • In-line Molded Type • Without SR • Cable Length 1 to 5 Meters • IP 67 		 <p>Waterproof Cover with Rubber Lead</p>
 <p>6</p> <p>LTWUB-20BMFA-SL8001</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • USB B Type • Male Connector • Field Installable • Without Cable • IP 68 <p>PANEL CUT-OUT</p> 				 <p>Waterproof Cover with Fish Line</p>
				 <p>Waterproof Box</p>

Male Connector		Mating Parts 1 ~ 4		Accessories
CONNECTOR	P/N	CONNECTOR	P/N	
	LTWNUB-20PMFP-SC7001 FEATURES: • Male Connector • PCB 180° • IP 67			 Waterproof Cover with Chain
	LTWNUB-20PMFR-SC7001 FEATURES: • Male Connector • PCB 90° • IP 67			
	TWNUB-20BMFA-SL7001 FEATURES: • Male Connector • Field Installable • Without SR • IP 67		LTWNUB-20AFMM-SL7AXX FEATURES: • Female Connector • In-line Molded Type (Cable to Cable) with SR • Cable Length 5 Meters Max • IP 67	 Waterproof Cover with Rubber Lead
	LTWNUB-20AMFM-SL7AXX FEATURES: • Male Connector • In-line Molded Type (Cable to Cable) with SR • Cable Length 5 Meters Max • IP 67			 Waterproof Cover

PANEL CUT-OUT



XXX - XX X X X X - X X X XXX

Number of Contacts

- 02, 03, Pin

Style

- A – For Cable with S/R
- B – For Cable without S/R
- P – For Panel Front Mounting
- R – For Panel Rear Mounting

Specification

- ZB - Ø18 Size Current Rating 10A

Connector Style

- M – Male Connector
- F – Female Connector

Contact Type

- M – Male
- F – Female
- C – Combo

Assembly Style

- M – Molding Type
- A – Assembly Type
- S – Solder Type
- P – 180° PCB Type
- R – 90° PCB Type
- B – Screw in Type

Mating Style

- L – Lock
- S – Screw
- Q – Quick

Back Shell

- L – Straight (180° for Cable Type)
- R – Right Angle (90° for Cable Type)
- C – Circular (For Panel Type)
- S – Square (For Panel Type)

Waterproof Rating

- 6 = IP 66
- 7 = IP 67
- 8 = IP 68

Version

- 000 : Phantom
- Without Cable 001, 002,.....
- For Cable A01 - 1M ~ A99 - 99M
• A – 18AWG Cable

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