Data sheet

USB3.1C S1H DN1 RL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

General ordering data

Version	OMNIMATE Data - USB jack, PCB plug-in connector, USB 3.1, Type C, 10 Gbit/s, SMD solder connection, 90°, Plugging cycles: ≥ 10000, Number of poles: 24, LCP, Gold over nickel, Reel
Order No.	2987560000
Type	USB3.1C S1H DN1 RL
GTIN (EAN)	4099986855052
Qty.	1050 items
Packaging	Reel

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Depth	7.9 mm	Depth (inches)	0.311 inch
Height	3.21 mm	Height (inches)	0.1264 inch
Width	8.94 mm	Width (inches)	0.352 inch
Net weight	0.97 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

System specifications

Number of poles	24	LED	No
Solder pin length (l)	1.15 mm	Mounting onto the PCB	SMD solder connection
Pitch in inches (P)	0.020 "	Shielding material	Brass
Shielding	Yes	Side termination, characteristic	Solder flange
Transmission rate	10 Gbit/s	Number of solder pins per pole	1
Type of connection	Solder connection	Product family	OMNIMATE Data - USB jack
Pitch in mm (P)	0.50 mm	Protection degree	IP20
Plugging cycles	≥ 10000	Outgoing elbow	90°
Shield surface	nickel-plated	Shield tabs	none
Performance-Category	10 Gbit/s	Soldering process	Reflow soldering, Manual soldering

Electrical properties

Dielectric strength, contact / contact	100 V AC	Insulation resistance	≥ 100 MΩ
Nominal voltage	5 V		

Material data

Insulating material	LCP	Colour	black
Colour chart (similar)	RAL 9011	Insulation resistance	≥ 100 MΩ
Moisture Level (MSL)	1	UL 94 flammability rating	V-0
Contact base material	Copper alloy	Contact material	Copper alloy
Contact surface	Gold over nickel	Operating temperature, min.	-40 °C
Operating temperature, max.	80 °C		

Packing

Packaging	Reel	VPE length	331.00 mm
VPE width	328.00 mm	VPE height	62.00 mm

Important note

Notes

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Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

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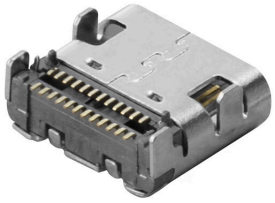
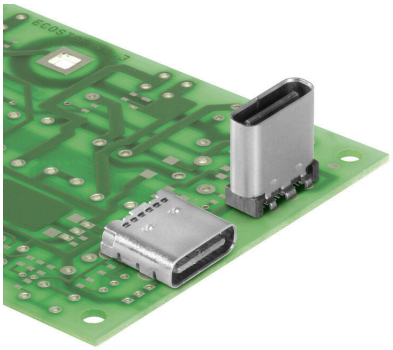
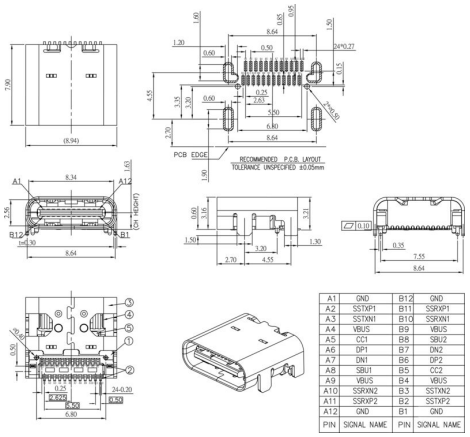
Drawings







A1	GND	B12	GND
A2	SSTXP1	B11	SSRXP1
A3	SSTXN1	B10	SSRXN1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXN2	B3	SSTXN2
A11	SSRXP2	B2	SSTXP2
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

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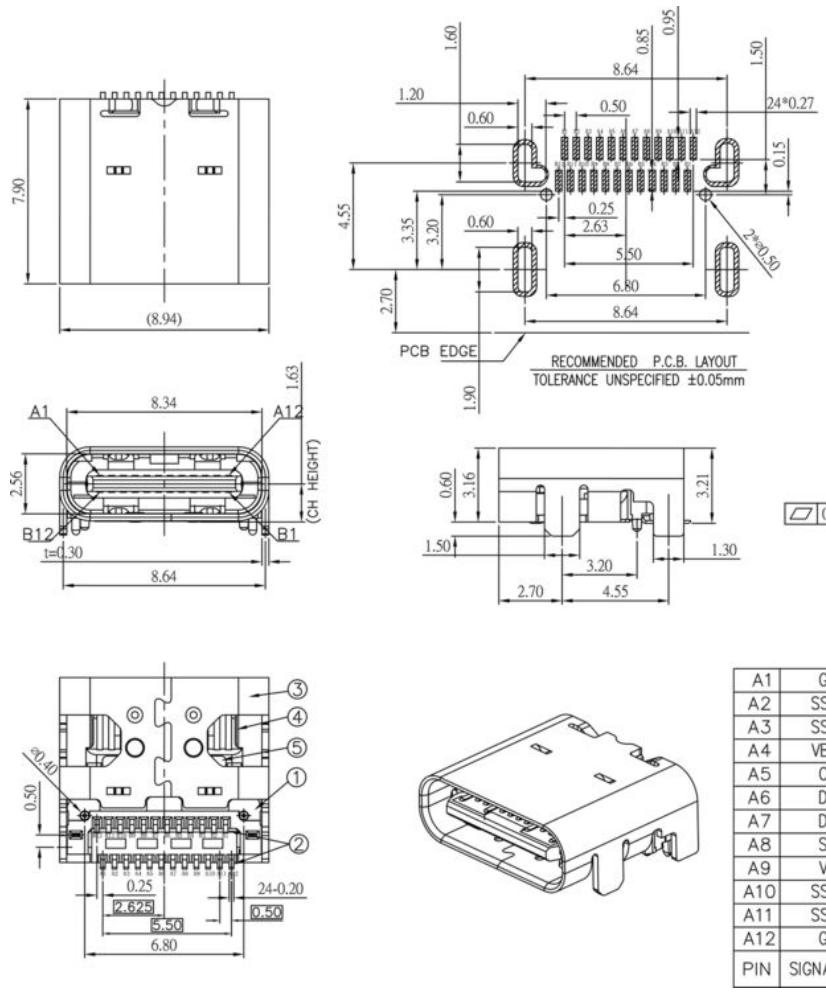

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