USB3.1C S1V DN1 RL

General ordering data

Version	OMNIMATE Data - USB jack, PCB plug-in connector, USB 3.1, Type C, 10 Gbit/s, SMD solder connection, 180°, Plugging cycles: ≥ 10000, Number of poles: 24, LCP, Gold over nickel, Reel
Order No.	2987540000
Type	USB3.1C S1V DN1 RL
GTIN (EAN)	4099986854994
Qty.	450 items
Packaging	Reel

USB3.1C S1V DN1 RL

Technical data

Approvals

ROHS	Conform

Dimensions and weights

Depth	4.3 mm	Depth (inches)	0.1693 inch
Height	9.25 mm	Height (inches)	0.3642 inch
Width	8.94 mm	Width (inches)	0.352 inch
Net weight	10 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	180°
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	Phosphor bronze alloy
Contact surface	Gold over nickel	Operating temperature, min.	-30 °C
Operating temperature, max.	80 °C		

Packing

Packaging	Reel	VPE length	0.00
VPE width	0.00	VPE height	0.00

Important note

Notes	

Creation date 12.03.2026 12:32:17 MEZ

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Weidmüller 3E

Technical data

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		

USB3.1C S1V DN1 RL
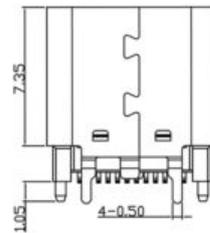
Drawings

USB3.1C S1V DN1 RL

Drawings
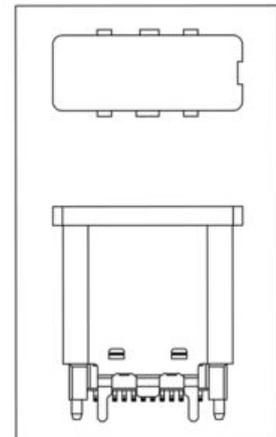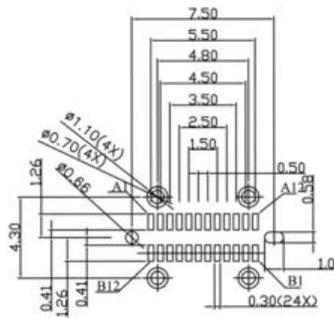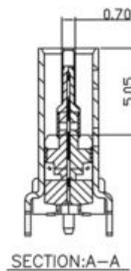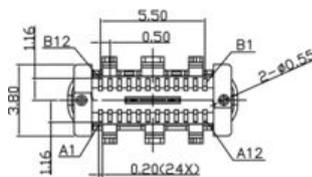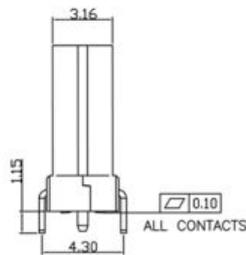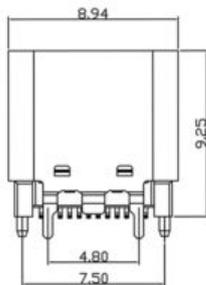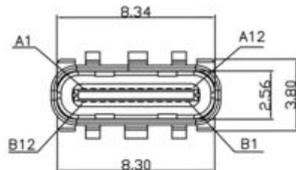
USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
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

SECTION:A-A

RECOMMENDED P.C.B. LAYOUT