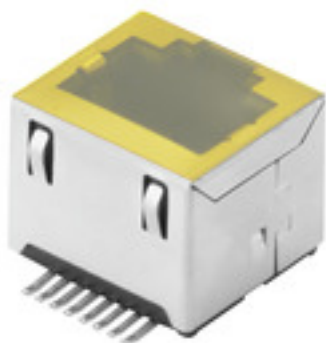


OMNIMATE-data - RJ45-uttag RJ45C5 S1V 2.7E4N RL

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Produktsortimentet omfattar följande designtyper:

- 90°, liggande (horisontell) och 180°, stående (vertikal)
- spärr upp/spärr ned
- Lödningsprocess THT, THR eller SMD
- Brett utbud av olika designtyper, även med inbyggda lysdioder och skärmade kontaktflikar
- Effektkategori kat. 3 till kat. 6
- Förpackad antingen på bricka (TY) eller antistatiskt på tape-on-reel (RL)

Egenskaper och fördelar:

- Utökat temperaturområde på -40 °C till +85 °C för maximal prestandakapacitet
- Förstärkt guldager (30 µm) för förbättrat korrosionsskydd
- Minst 3 mm fritt utrymme garanterar ett perfekt lödresultat

Allmänna beställningsdata

Typ	RJ45C5 S1V 2.7E4N RL
Art.nr.	2514600000
Artikelbeteckning	Kretskortsstickanslutning, RJ45-uttag, Cat. 5 , SMD-lödanslutning, 180°, Skärmflikar: 4 tabs, LED: Nej, Antal poler: 8, Tape
GTIN (EAN)	4050118528268
Frp	300 Stück
Förpackning	Tape

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Tekniska data**Mått och vikter**

Bredd	16,1 mm	Byggbredd (tum)	0,634 inch
Höjd	13,1 mm	Bygghöjd (tum)	0,516 inch
Höjd lägstbyggande	13,1 mm	Djup	14,7 mm
Byggdjup (tum)	0,579 inch	Nettovikt	3,41 g

Temperaturer

Driftstemperatur, max	85 °C	Driftstemperatur, min.	-40 °C
Lagertemperatur, max.	85 °C	Lagertemperatur, min.	-40 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Systemparametrar

Anslutningstyp	Hylsa	Anslutningsvinkel	180°
Antal lödstift per pol	1	Antal poler	8
Avskärmning	Ja	Delning i mm (P)	1,27 mm
Delning i tum (P)	0,05 inch	Kategori	Cat. 5
Koppling	8-trådig	Lödstiftlängd (l)	2,65 mm
LED	Nej	Montering på kretskortet	SMD-lödanslutning
Produktfamilj	OMNIMATE-data - RJ45-uttag	Skärmmaterial	Mässing
Skyddsklass	IP20	Skärmarea	förnicklad
Skärmflikar	4 tabs	Stickcykler	750
Tolerans för stiftlängd	+0,15 / -0,15 mm		

Elektriska egenskaper

Isolationshållfasthet	1000 MΩ at 500 V DC	Märkström	1,5 A
Märkspänning	125 V AC RMS	Spänningstålighet kontakt/kontakt	1000 V AC

Packaging

Förpackning	Tape	VPE-längd	0 m
VPE-bredd	0 m	VPE-höjd	0 m
Tape reel diameter Ø (A)	330 mm	Surface resistance	Rs = 10 ⁹ - 10 ¹² Ω

Materialdata

Isoleringsmaterial	PA 9T	Färgkod	svart
Färgtabell (jämförbar)	RAL 9011	Isoleringsmaterialgrupp	II
CTI	≥ 500	Isolationshållfasthet	1000 MΩ at 500 V DC
Moisture Level (MSL)	1	Brännbarhetsklass enligt UL 94	V-0
Kontaktgrundmaterial	Fosforbrons	Kontakttyta	Guld över nickel
Lagertemperatur, min.	-40 °C	Lagertemperatur, max.	85 °C
Driftstemperatur, min.	-40 °C	Driftstemperatur, max	85 °C

Klassificeringar

ETIM 6.0	EC002637	eClass 6.2	27-25-05-04
eClass 9.0	27-44-04-02	eClass 9.1	27-44-04-02

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Tekniska data

Godkännanden

Godkännanden



ROHS

Uppfyllelse

Downloads

Teknikuppgifter Data

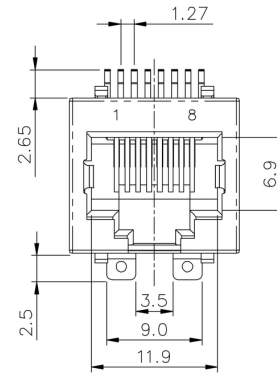
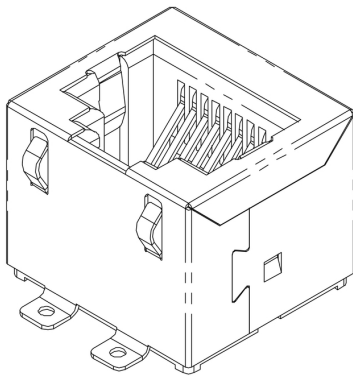
[STEP](#)

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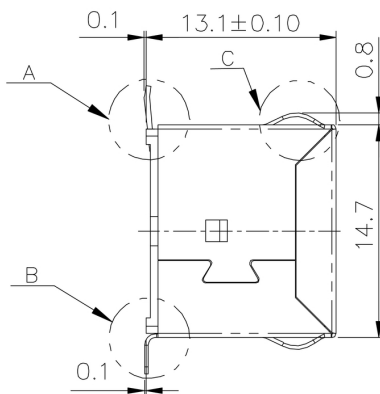
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Ritningar

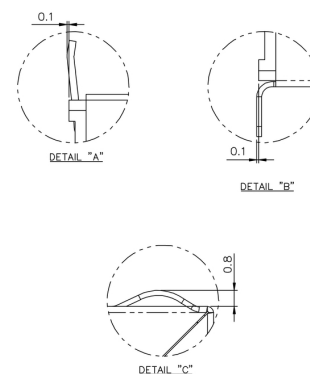
Profilritning



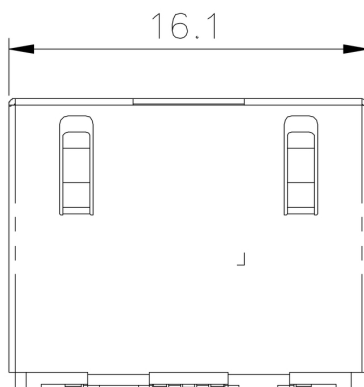
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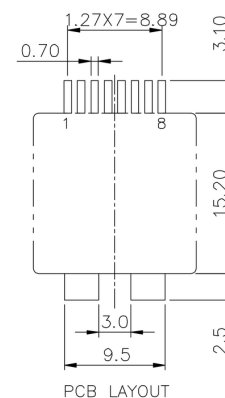
Profilritning



Profilritning



Kretskortsdesign

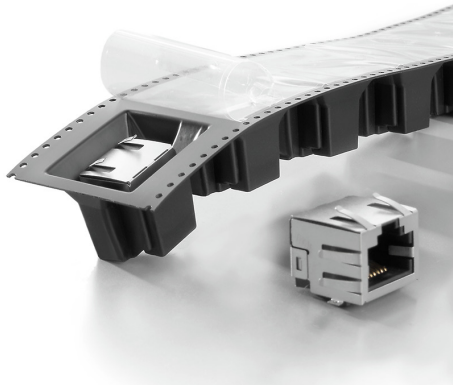


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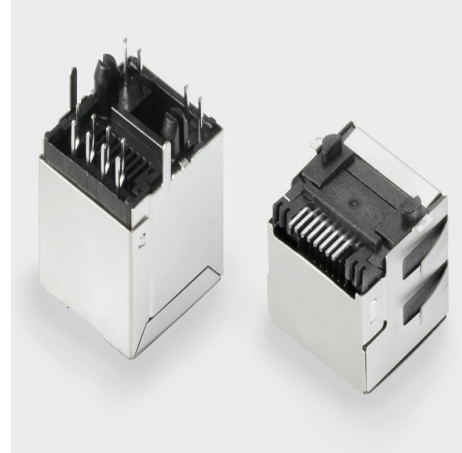
Produktfördel



Process-optimised packaging
Tape-on-reel or tray

Produktfördel

Produktfördel



Trouble-free assembly
Short, chamfered solder pins



Suitable for all soldering processes
SMT, THT or THR

Skapandedatum den 8 juli 2019 14:04:16 CEST

Katalogversion 07.06.2019 / Tekniska ändringar förbehållna

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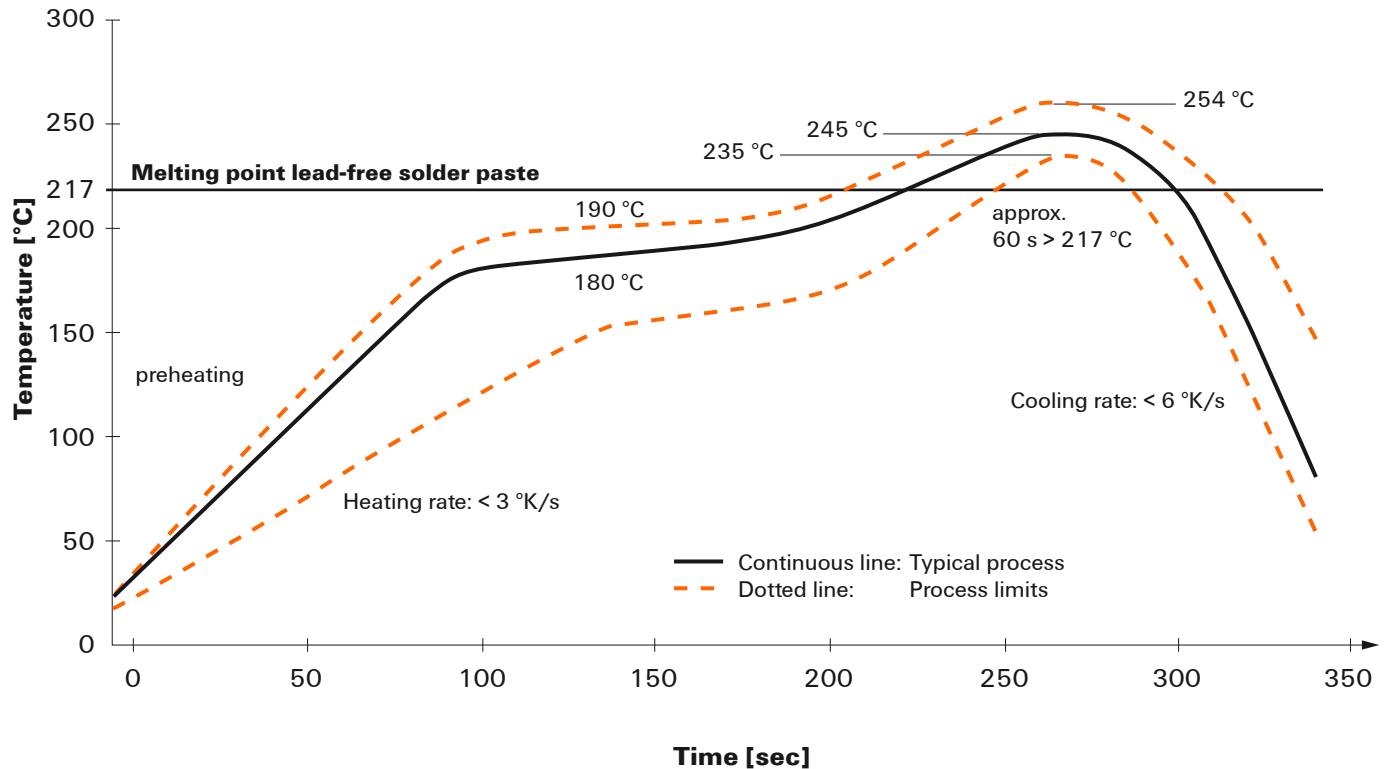
Ritningar

Legend

RJ45	G1	R	1	U	3.2	E	4	GY/GY	TY	RJ45G1 R1U 3.2E4GY/GY TY
										Packaging
										TY
										RL
										Tray in box (manual assembly)
										Tape on Reel (automated assembly)
										LED
										Y/G
										Yellow/Green
										G/Y
										Green/Yellow (standard)
										GY/GY
										Green-Yellow/Green-Yellow
										O/G
										Orange/Green
										R/O
										Red/Orange
										...
										... (further combinations possible)
										N
										without LED
										Contact surface thickness
										4
										1 = 3µ", 2 = 6µ", 3 = 15µ", 4 = 30µ", 5 = 50µ"
										EMI tabs (ground fingers)
										E
										E = with EMI tabs
										N
										N = without EMI tabs
										Solder Pin length
										3.2
										3.2 mm
										1.6
										1.6 mm
										D
										SMD
										Direction, latch style
										U
										Horizontal (90°, side entry), latch up
										D
										Horizontal (90°, side entry), latch down
										V
										Vertical (180°, top entry)
										Y
										Diagonal (45°), latch up
										Number of Ports
										1
										1 Port
										12; 14; ...
										multi ports side by side, Multiport
										21; 41; ...
										multi ports about each other, Multilevel
										Assembly on PCB
										R
										Through Hole Reflow - THR
										Soldering process: Wave or Reflow soldering
										S
										Surface Mount Technology - SMT
										Soldering process: Reflow soldering
										T
										Through Hole Technology - THT
										Soldering process: Wave
										Performance Category
										C5
										Category 5
										C6
										Category 6
										C6A
										Category 6A
										C5e
										Category 5e
										M
										10/100 Mbit
										G1
										10/100/1000 Mbit
										G10
										10 Gbit
										U
										Unshielded
										MP
										10/100 Mbit with POE
										MP+
										10/100 Mbit with POE+

Recommended reflow soldering profile

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Reflow soldering profile

The perfect soldering profile for SMT Surface Mount Technology is one the most exiting question in SMT production. But there are more than one correct answer: The diagram of temperature-on-time is related to processing features of solder paste and to maximum load of components.

We have to consider the following parameters:

- Time for pre heating
- Maximum temperature
- Time above melting point
- Time for cooling
- Maximum heating rate
- Maximum cooling rate

We recommend a typical solder profile with associated process limits. With preheating components and board are prepared smoothly for the solder phase. Heating rate is typically $\leq +3\text{K/s}$. In parallel the solder paste is 'activated'. The time above melting point of 217°C the paste gets liquid and components and boards begin to connect. The maximum temperature of 245°C to 254°C should stay between 10 and 40 seconds. In the cooling phase at $\geq -6\text{K/s}$ solder is cured. Board and components cool down while avoiding cold cracks.