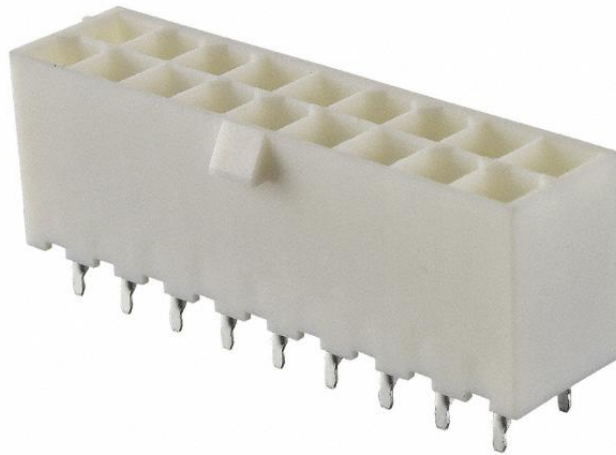


www.digi-electronics.com



821122 Datasheet

DiGi Electronics Part Number 64901821122-DG

Manufacturer [Würth Elektronik](#)

Manufacturer Product Number 64901821122

Description CONN HEADER VERT 18POS 4.2MM


<https://www.DiGi-Electronics.com>

Detailed Description Connector Header Through Hole 18 position 0.165"

This model 64901821122 is available at DiGi Electronics.

DiGi Electronics offers a global database of semiconductor and electronic component datasheets.

We welcome your inquiries regarding pricing, lead time, or other product-related questions.

 [Request a Quote](#)

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Tel: +00 852 30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

64901821122

Series:

WR-MPC4

Connector Type:

Header

Pitch - Mating:

0.165" (4.20mm)

Number of Rows:

2

Number of Positions Loaded:

All

Shrouding:

Shrouded - 4 Wall

Termination:

Solder

Contact Length - Mating:

-

Overall Contact Length:

-

Contact Shape:

Manufacturer:

Würth Elektronik

Product Status:

Active

Contact Type:

Male Pin

Number of Positions:

18

Row Spacing - Mating:

0.165" (4.20mm)

Style:

Board to Cable/Wire

Mounting Type:

Through Hole

Fastening Type:

Locking Ramp

Contact Length - Post:

0.138" (3.50mm)

Insulation Height:

0.504" (12.80mm)

Contact Finish - Mating:

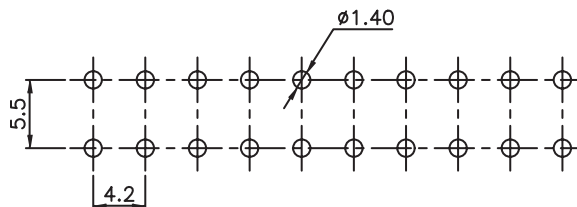
1

2

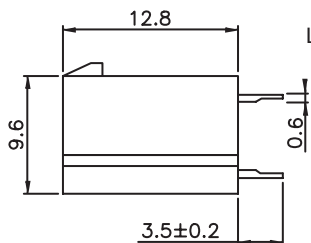
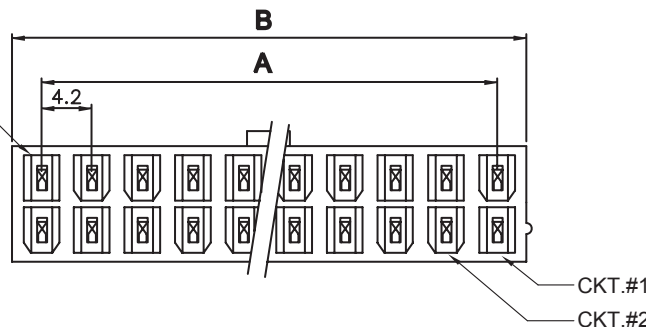
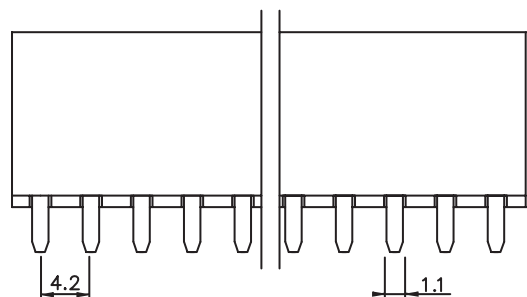
3

4

5



PCB LAYOUT - COMPONENT VIEW



LAST CKT.

CKT.#1

CKT.#2

TECHNICAL CHARACTERISTICS

MATERIAL
 INSULATOR: NYLON 66
 FLAMMABILITY RATING: UL94-V0
 COLOR: WHITE
 CONTACT MATERIAL: COPPER ALLOY
 CONTACT TYPE: STAMPED
 CONTACT PLATING: TIN OVER NICKEL
 QUALITY CLASS: 25 MATING CYCLES
 PITCH: 4.20 MM

ENVIRONMENTAL
 OPERATING TEMPERATURE: -40 UP TO 105°C
 COMPLIANCE: LEAD FREE AND ROHS

ELECTRICAL
 CURRENT RATING: 6 TO 9 A

NB CIRCUITS	2-3	4-6	7-10	12-24
AMPERES	9	8	7	6

WORKING VOLTAGE: 600 VAC
 INSULATOR RESISTANCE: >1000 MOHM
 DIELECTRIC WITHSTANDING VOLTAGE: 1500 VAC/MN
 CONTACT RESISTANCE: 10 mΩ MAX

STANDARD
 CERTIFIED: E323964

SOLDERING
 JEDEC LEAD FREE WAVE SOLDERING PROCESS

PACKAGING
 TRAY

DIMENSION
 A = 4.20 x (NB. PIN / 2 - 1)
 B = 4.20 x (NB. PIN / 2) + 1.30

RoHS Compliant

PROJECTION:



GENERAL TOLERANCE

.X = +/- 0.2

.XX = +/- 0.15



APPROVAL: BBu

UNIT: MM

SCALE:

SHEET: 1/3

DRAW: AS

DESCRIPTION: 4.20MM MALE DUAL ROW VERTICAL HEADER

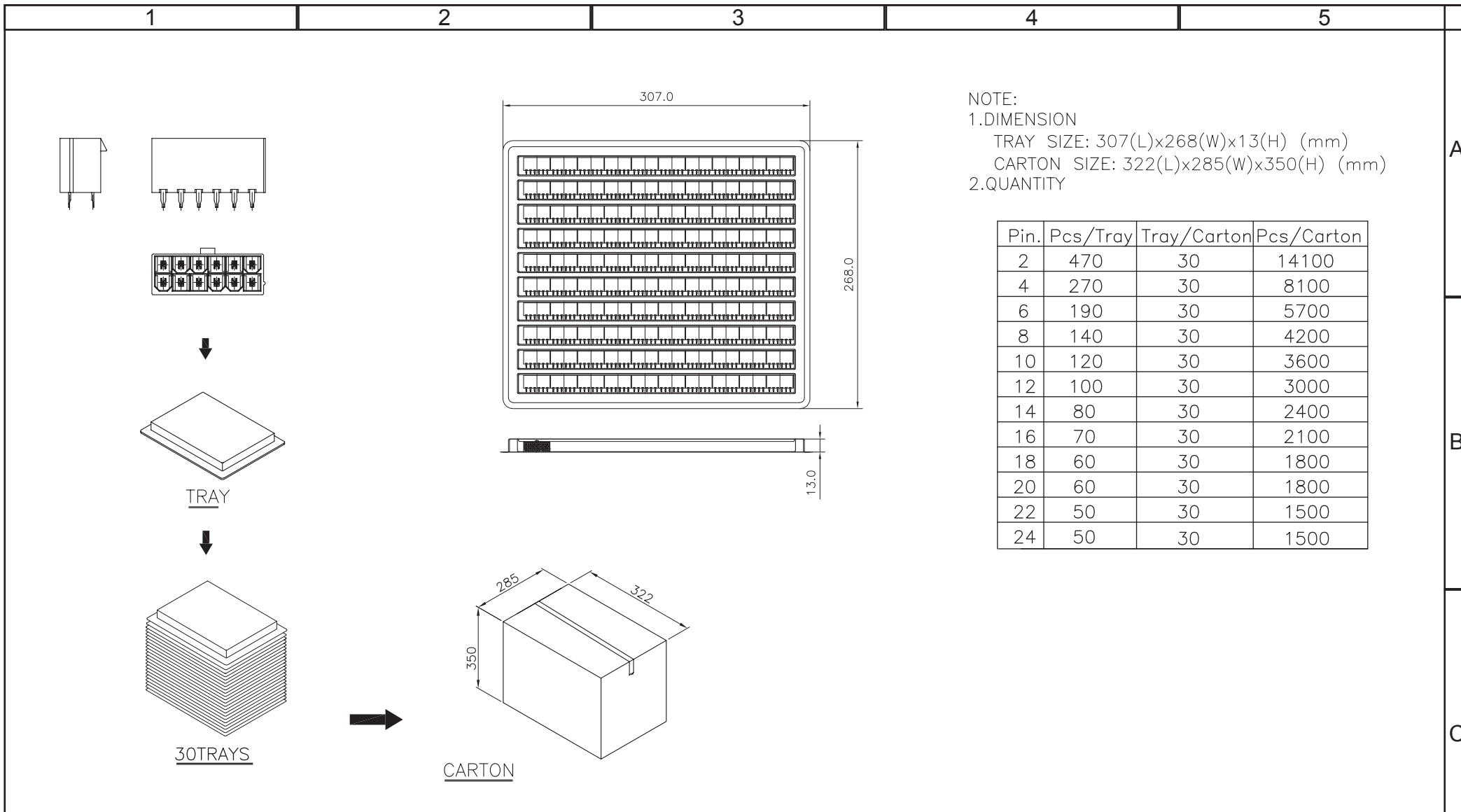
WERI PART NO: 649 0xx 211 22

SIZE

A4

REV	DATE	FILE	BY
H	08-SEP-14	CONTACT R.	AS
I	25-SEP-14	DRAWING	AS
J	01-JUL-15	PINNING	AK
K	09-MAY-17	TPK	AK

64901821122 Würth Elektronik CONN HEADER VERT 18POS 4.2MM



NOTE:

1.DIMENSION

TRAY SIZE: 307(L)x268(W)x13(H) (mm)

CARTON SIZE: 322(L)x285(W)x350(H) (mm)

2.QUANTITY

Pin.	Pcs/Tray	Tray/Carton	Pcs/Carton
2	470	30	14100
4	270	30	8100
6	190	30	5700
8	140	30	4200
10	120	30	3600
12	100	30	3000
14	80	30	2400
16	70	30	2100
18	60	30	1800
20	60	30	1800
22	50	30	1500
24	50	30	1500

RoHS Compliant				PROJECTION: 	GENERAL TOLERANCE .X = +/- 0.2 .XX = +/- 0.15		
G							
F							
E							
D				APPROVAL: BBu	UNIT: MM	DESCRIPTION: 4.20MM MALE DUAL ROW VERTICAL HEADER	
C					SCALE:		
B					SHEET: 2/3		WERI PART NO: 649 0xx 211 22
A					DRAW: PEARL		
REV	DATE	FILE	BY			SIZE A4	

1

2

3

4

5

Cautions and Warnings:

This electronic component is designed and developed with the intention for use in general electronics equipments.

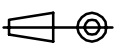

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Würth Elektronik must be asked for a written approval.

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

A

B

C

RoHS Compliant				PROJECTION: 	GENERAL TOLERANCE .X = +/- 0.2 .XX = +/- 0.15		DESCRIPTION: DISCLAIMER	SIZE A4
G								
F								
E								
D								
C				APPROVAL: JC	UNIT: MM	WERI PART NO: DISCLAIMER	SIZE A4	
B				SCALE:				
A	10-SEP-14	PDF	QL	SHEET: 3/3				
REV	DATE	FILE	BY	DRAW: QL				

D

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