

WE RECOMMEND THESE
CONNECTORS FOR OPTIMAL
SERVICE LEVEL



- SHORT LEAD-TIMES
- LOW MOQs
- QUICK SAMPLING
- AVAILABLE AT DISTRIBUTION



98414-G06-06ULF
98414-G06-08ULF
98414-G06-10ULF
98414-G06-12ULF
98414-G06-14ULF
98414-G06-16ULF
98414-G06-20ULF
98414-G06-26ULF
98414-G06-32ULF

PIN STYLE PREFERRED PART		
PIN STYLE	POST LENGTH	TAIL LENGTH
06	4.00	2.50

PLATING

G = 0.76µm GOLD/GXT ON CONTACT AREA
2µm TIN MIN ON TAIL
1.27µm Ni MIN UNDERLAYER

RoHS COMPATIBLE
SEE NOTE 8

PACKAGING : U = TUBE

PIN STYLE
SEE TABLE

TOTAL NB OF POSITIONS

NOTES:

- MATERIAL HOUSING: HIGH TEMP. THERMOPLASTIC UL-94VO
- = STANDARD COLOR CREAM, MEETS GWIT 825°C AND GWFI 960°C
B = OPTIONAL COLOR BLACK, MEETS GWIT 825°C AND GWFI 960°C

- MATERIAL TERMINAL: COPPER ALLOY

- TO DETERMINE DIMENSIONS:
N = NUMBER OF POSITIONS PER ROW

- 7N MIN. PIN RETENTION IN EITHER DIRECTION.

- PACKAGING: SEE SHEET 2

- DIM "C" = (N x 2) + 1.4

EXAMPLE: N = 7

DIM "C" = (7 x 2) + 1.4 = 15.4 mm

- FOR POLARIZATION, SPECIFIED PIN

EXAMPLE : A03 = ROW A, POSITION 03 TO OMIT PIN
OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE.

- RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

- "LF" MEANS THE PRODUCT IS LEAD-FREE,
2µm MINIMUM MATTE TIN OVER 1.27µm
MINIMUM NICKEL UNDERPLATE.

b - MANUFACTURING PROCESS COMPATIBILITY

- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK
TEMPERATURE FOR 30 SECONDS MAX IN A CONVECTION,
INFRA-RED, OR VAPOR PHASE OR REFLOW OVEN
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C ±5°C
SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE
SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.

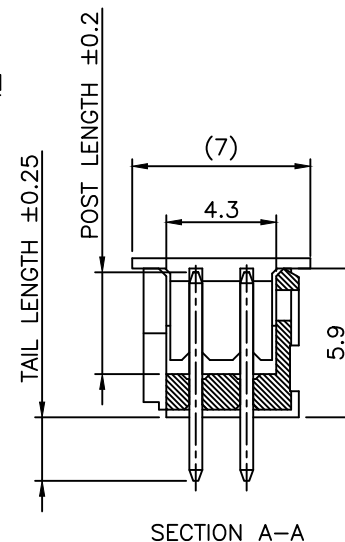
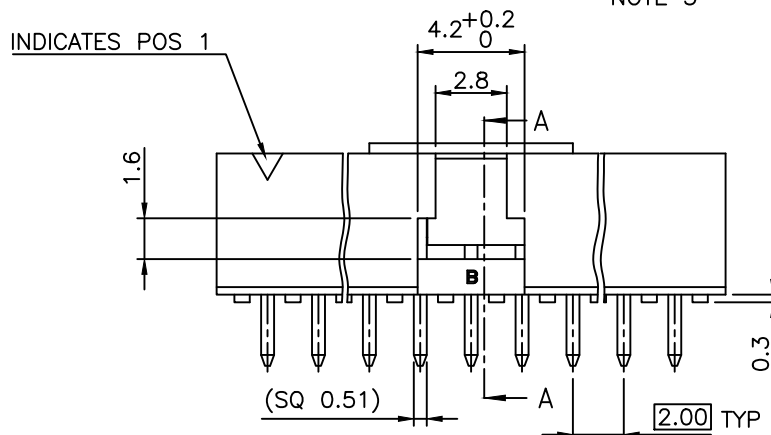
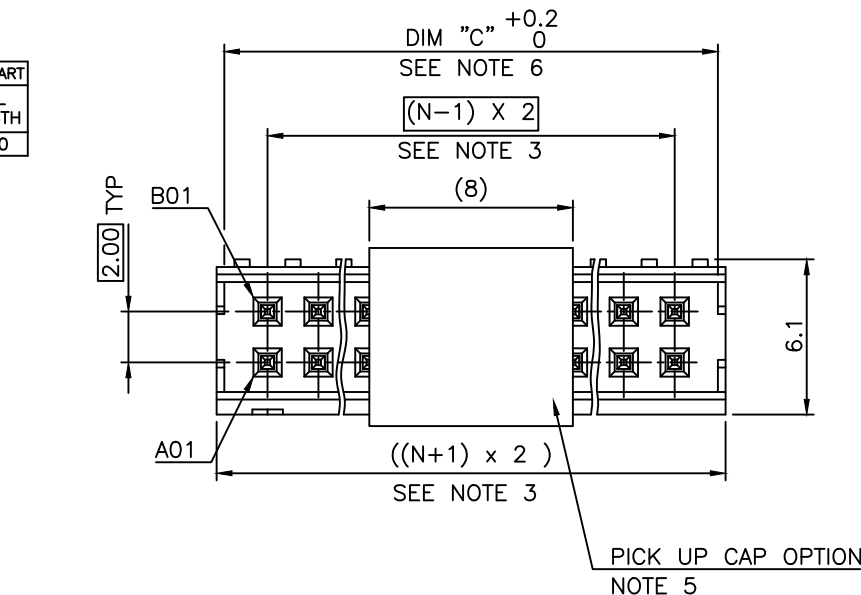
c - LABELLING:

- MEETS PACKAGING SPECS AS PER GS-14-920

- THIS PRODUCT MEETS EUROPEAN DIRECTIVES
AND OTHER COUNTRY REGULATIONS AS DISCRIBED
IN GS-47-0004

- THIS PART SERIES IS NOT INITIALLY INTENDED FOR AUTOMOTIVE APPLICATIONS.
ADDITIONAL FEES ARE CHARGEABLE FOR ANY ADDITIONAL QUALIFICATION
AND TEST REPORTS PERFORMED OUTSIDE THE SCOPE OF THE STANDARD
PRODUCT SPECIFICATIONS.

- UNLESS OTHERWISE APPROVED BY AMPHENOL, ALL PARTS AND COMPONENTS
ARE DESIGNED & BUILT ACCORDING TO AMPHENOL'S SPECIFICATIONS WHICH
ARE SUBJECT TO CHANGE WITHOUT NOTICE.



mat'l. code				surface		tolerance		projection	product family		
SEE NOTES				ISO 1302	ISO 406	ISO 1101	ISO 1101		MINITEK		
ltr	ecn no	dr	date	tolerances unless otherwise specified			linear	mm	title		
X	F-39558	DDE	21.01.07				.X ± 0.3		SHR HEADER 2.00 VERTICAL TMT		
Y	F-46987	DDE	23.01.11				.XX ± 0.15				
AA	F-54438	DDE	25.01.27				.XXX ± 0.05	scale 5:1			
AB	F-54937	DDE	25.03.12	dr	L.MULIN	04.09.27					
AC	F-56039	DDE	25.06.09	engr	J.COMPAGNON	04.09.27					
AD	F-58356	DDE	25.11.27	chr	J.COMPAGNON	04.09.27					
AE	F-302537	DDE	26.08.19	appd	J.COMPAGNON	04.09.27					
sheet	revision	AE	C	C							
index	sheet	1	2	3							

EXTENDED RANGE

PRODUCT NUMBER
98414-XXX-XX-XXXLF

PLATING
(AS AVAILABLE)

S = 0.38µm GOLD/GXT
ON CONTACT AREA
2µm MIN MATTE
TIN ON TAIL

G = 0.76µm GOLD/GXT
ON CONTACT AREA
2µm MIN MATTE
TIN ON TAIL

F = GOLD FLASH
ON CONTACT AREA
2µm MIN MATTE
TIN ON TAIL

T = 2.0-6.0µm FULL MATTE TIN
1.27µm Ni MIN UNDERLAYER

RoHS COMPATIBLE, SEE NOTE 8

POLARIZATION, SEE NOTE 7 (AS AVAILABLE)

PACKAGING, SEE BELOW
(MAY BE SUBJECT TO TOOLING FEES)

TOTAL NB OF POSITIONS, 04 TO 50 POS

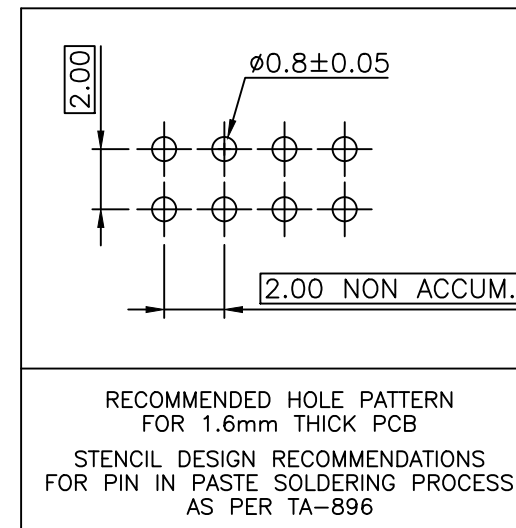
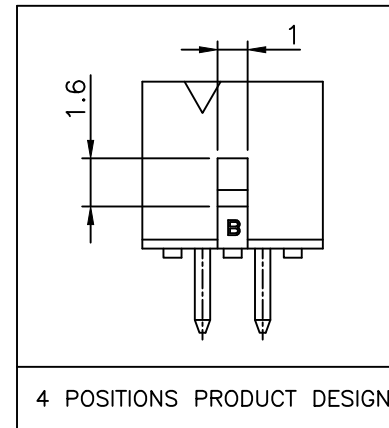
COLOR OPTION NOTE 1
(AS AVAILABLE)

PIN STYLE (AS AVAILABLE)

PIN STYLE	POST LENGTH	TAIL LENGTH
04	4.00	2.00
06	4.00	2.50
08	4.00	3.10
10	4.00	3.70

PACKAGING: (MAY BE SUBJECT TO TOOLING FEES)

- = STANDARD PACKAGING IN POLYBAGS
- = POLYBAGS PACKAGING WHEN POLARISATION FEATURE APPLICABLE
- B = TUBE WITH PICK-UP CAP FOR 12 UP TO 50 POS,
ONLY AVAILABLE FOR PIN STYLE 04 & 06
- U = TUBE AVAILABLE FROM 06 TO 50 POS
- UV = TUBE WITHOUT PICK UP CAP FOR CUSTOMER DEDICATED PART
- A = TAPE & REEL WITH PICK UP CAP
- K = TAPE & REEL WITHOUT PICK UP CAP
- AV = TAPE & REEL WITH PICK UP CAP FOR CUSTOMER DEDICATED PART
- KV = TAPE & REEL WITHOUT PICK UP CAP FOR CUSTOMER DEDICATED PART



mat'l. code				surface		tolerance		projection	product family		
SEE NOTES				ISO 1302	✓	ISO 406	ISO 1101		MINITEK		
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm	title		
A	F-54438	DDE	25.01.27	angles	linear	.X ±0.3			SHR HEADER		
B	F-58356	DDE	25.11.27			.XX ±0.15			2.00 VERTICAL TMT		
C	F-302537	DDE	26.08.19			.XXX ±0.05		scale 5:1			
				dr	L.MULIN	04.09.27			dwg no		
				enrg	J.COMPAGNON	04.09.27			sheet 2 of 3		
				chr	J.COMPAGNON	04.09.27			98414		
				appd	J.COMPAGNON	04.09.27			A3		
sheet index		revision sheet							type CUSTOMER Drawing		

1

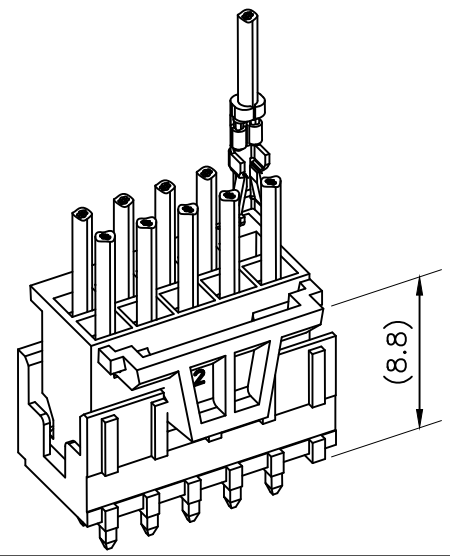
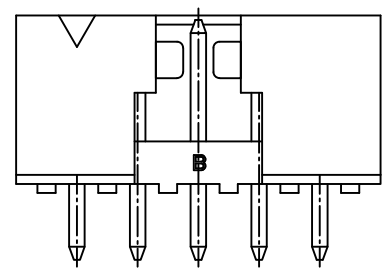
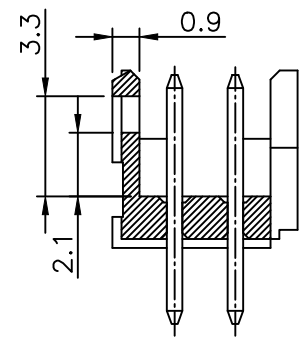
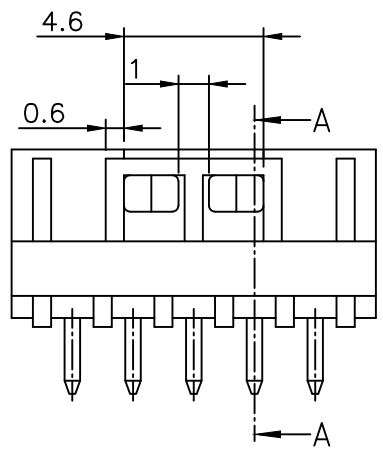
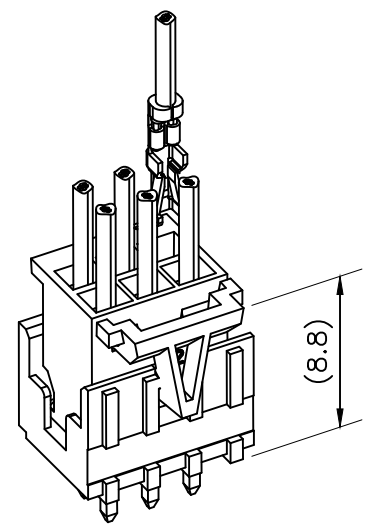
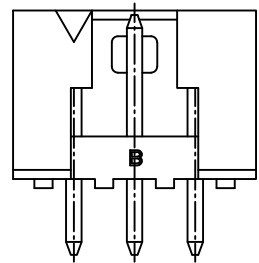
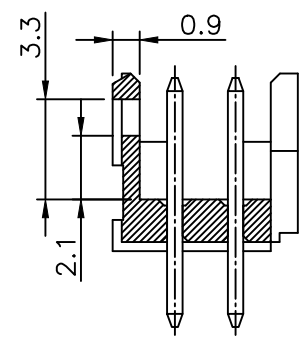
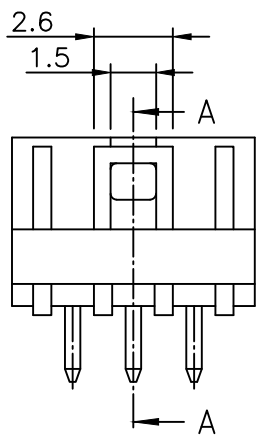
2 3

4

5

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2x3 POS AND 2x4 POS CONFIGURATION
NO LATCHING AVAILABLE FOR 2x2 POS



2x5 POS UP TO 2x25 POS CONFIGURATION

LATCHING FEATURES WHEN USED IN COMBINATION
WITH ACTIVE LATCH HOUSING 10073599

mat'l. code SEE NOTES				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family MINITEK		
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm 	title SHR HEADER 2.00 VERTICAL TMT		
A	F08-0113	LMU	08.01.17	angles	linear				
B	F-39558	DDE	21.01.07						
C	F-54438	DDE	25.01.27			scale 5:1	dwg no 98414		
				dr	L.MULIN	04.09.27	sheet 3 of 3		
				enrg	J.COMPAGNON	04.09.27	size A3		
				chr	J.COMPAGNON	04.09.27	type CUSTOMER Drawing		
				appd	J.COMPAGNON	04.09.27			
sheet index	revision sheet								

1

2

PDS: Rev: AE

STATUS: Released Printed: Aug 20, 2026

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