

98424-G52-14ALF -  
 Minitek™, Priority  
 Parts, Basics+ : Shrouded  
 Header - Surface Mount -  
 Double row - 14 Positions - 2  
 mm (0.079 in.) - Vertical



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## Mating Half

- 77138-101LF
- 90311-014LF
- 55510-114TRLF
- 89947-114LF

## Specifications

### General

Number of contacts (per row)	7
Number of contacts (Total)	14
Number of rows	2
Orientation	Vertical
Packaging	Tape and Reel with Pick-Up Cap
Attachment type (Board)	Surface Mount
Mating half	Minitek™ Crimp-to-Wire Receptacle and Housing Assembly; IDC Receptacle

### Dimensional

Length (Mating pin)	4 mm (0.157 in.)
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### Electrical

Withstanding Voltage	650V rms
Current rating	2 amp Continuous
Resistance (Insulation)	1000 M-ohms min.

### Mounting

Retention feature (Board)	No
Solder process	Compatible with Wave, Vapor-Phase and IR Reflow Soldering Processes

### Physical

Color (Housing)	Cream
Material (Contact)	Phosphor Bronze
Material (Housing)	High Temperature, Cream - Colored Thermoplastic
Plating (Contact area)	0.76 µm (30 µin.) Selective Gold

<b>Plating (Tail)</b>	3.81 µm (150 µin.) Tin
<b>Underplating (Contact)</b>	1.27 µm (50 µin.) Nickel
<b>Flammability rating</b>	UL94V-0
<b>Temperature (Range)</b>	-40°C to +125°C
<b>Approvals / Certifications</b>	
<b>UL File Number</b>	E66906
<b>CSA File Number</b>	LR46923
<b>Approvals / Certifications</b>	UL and CSA Approved

PRODUCT NUMBER  
98424-X52-XX-XXXLF

PLATING  
S = 0.38µm GOLD/GXT ON CONTACT AREA  
3.81µm TIN LEAD ON TAIL

G = 0.76µm GOLD/GXT ON CONTACT AREA  
3.81µm TIN LEAD ON TAIL.

F = GOLD FASH ON CONTACT AREA  
3.81µm TIN LEAD ON TAIL.

WHEN REQUIRED, ADD SUFFIX LETTER "LF" INDICATES THE PRODUCT IS RoHS COMPATIBLE, SEE NOTE 8

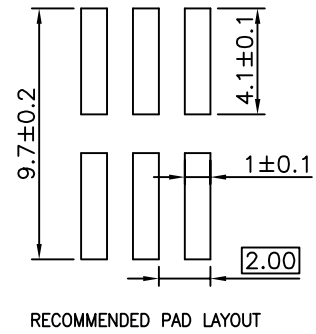
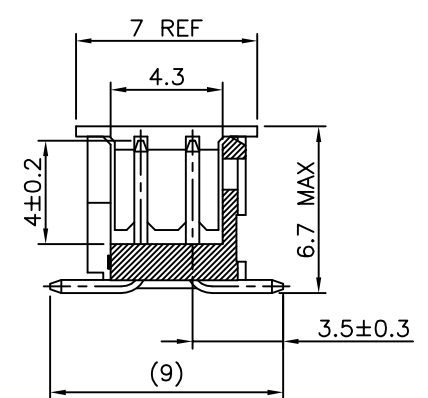
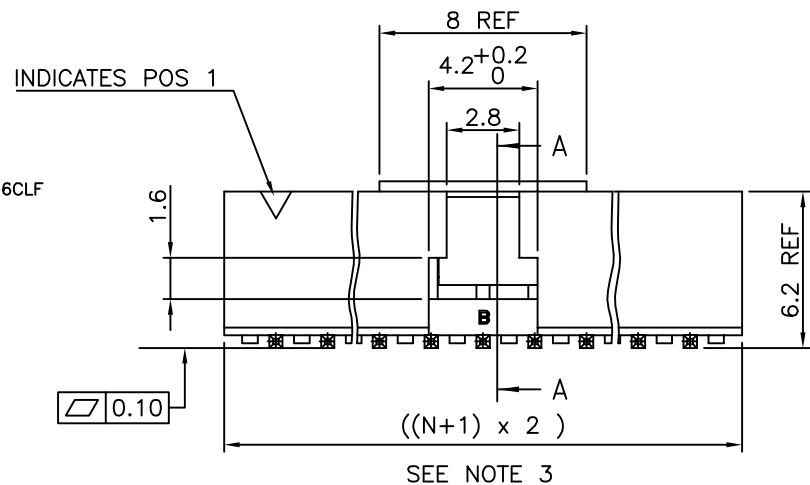
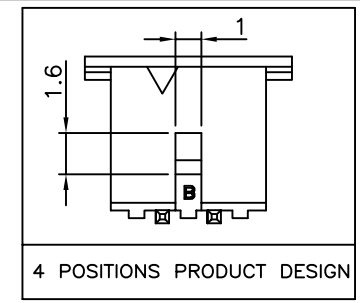
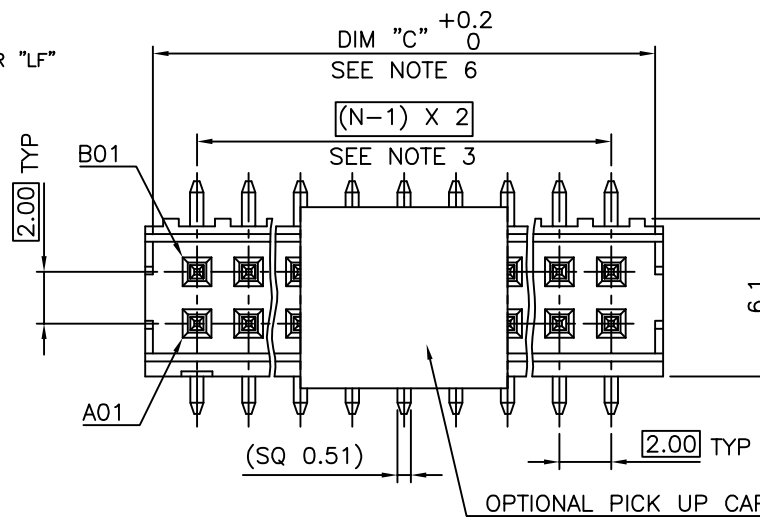
POLARIZATION (SEE NOTE 7)

PACKAGING OPTIONAL LETTER (SEE NOTE 5)

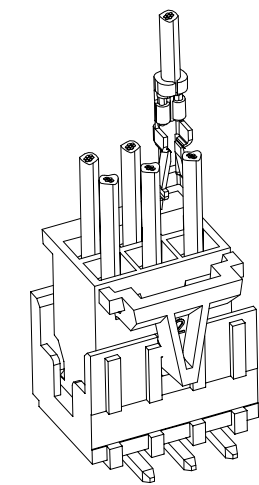
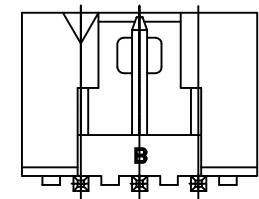
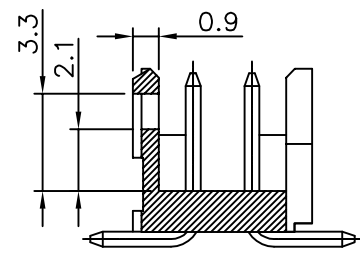
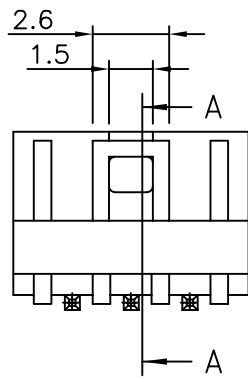
TOTAL NB OF POSITIONS, 04 TO 50

NOTES:

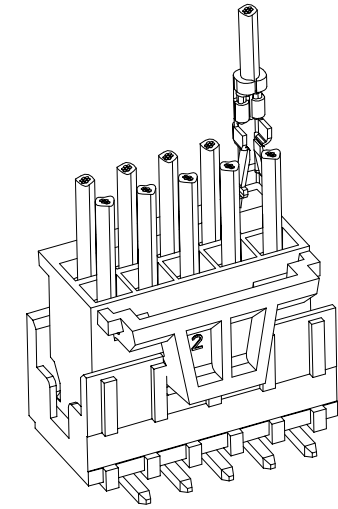
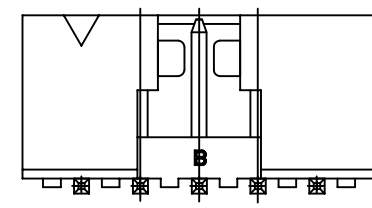
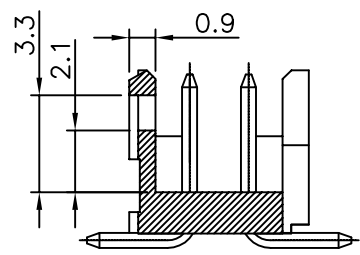
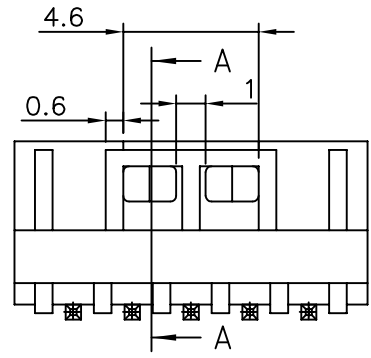
- MATERIAL HOUSING: HIGH TEMP. THERMOPLASTIC UL 94V-0, COLOR CREAM
- MATERIAL TERMINAL: COPPER ALLOY
- TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS PER ROW
- 7N MIN. PIN RETENTION IN EITHER DIRECTION.
- PACKAGING:  
= PLASTIC BOX  
- = PLASTIC BOX WHEN POLARISATION FEATURE APPLICABLE  
U = TUBE AVAILABLE FROM 08 TO 50 POS  
A = TAPE AND REEL WITH PICK UP CAP INSTALLED IN THE CENTER OF THE PRODUCT FOR PICK AND PLACE, SEE TAB84 FOR AVAILABILITY.  
K = TAPE AND REEL WITHOUT PICK UP CAP  
C = TAPE AND REEL WITH SPECIAL LARGE CAP, ONLY FOR 98424-Y52-06CLF FOR ALL SPECIAL PACKAGING, FCI TO BE CONTACTED
- DIM "c" = (N x 2) + 1.4  
EXAMPLE: N = 7  
DIM "c" = (7 x 2) + 1.4
- FOR POLARIZATION, SPECIFIED PIN = 15.4 mm  
EXAMPLE : A03 = ROW A, POSITION 03 TO OMIT PIN  
OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE
- RoHS COMPATIBLE PRODUCT SPECIFICATIONS
  - PLATING:  
- "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
  - MANUFACTURING PROCESS COMPATIBILITY  
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDES MAX IN A CONVECTION, INFRA-RED OR VAPOR PHASE OR REFLOW OVEN.
  - LABELLING:  
- MEETS PACKAGING SPECS AS PER GS-14-920
  - THIS PRODUCT MEETS EUROPEAN DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DISCRIBED IN GS-22-008.



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	
N	F10-0007	JCO	10.01.28	angles	X.X ±0.3	mm		SHR HEADER	
P	F11-007	JCO	11.06.17	linear	X.XX ±0.13	mm		2.00 VERTICAL SMT	
M	F08-0145	ELA	17.04.08	appd	X.XXX ±0.05	scale 1:1		dwg no	
J	F06-0210	LMU	06.07.05	dr	L.MULIN	04.09.27		sheet 1 of 2	
K	F06-0259	LMU	06.08.28	engr	J.COMPAGNON	04.09.27		size	
L	F08-0113	LMU	08.01.17	chr				98424	
M	F08-0145	ELA	17.04.08	appd	JMC	04.09.27		A3	
sheet index		revision sheet		P A				type	
		1 2						CUSTOMER Drawing	



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		surface		tolerance		projection		product family			
SEE NOTES		ISO 1302		ISO 406		ISO 101		MINITEK			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title			
A	F08-0113	LMU	08.01.17	angles	X.X ±0.3	mm		SHR HEADER			
				linear	X.XX ±0.13	scale 1:1		2.00 VERTICAL SMT			
					X.XXX ±0.05			dwg no			
				dr	L.MULIN	07.11.06			sheet 2 of - size		
				engr	J.COMPAGNON	07.11.06			98424		A3
				chr					type		CUSTOMER Drawing
				appd	JM.C	07.11.06					
sheet index	revision sheet										



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