

RECOMMENDED P.C.B LAYOUT  
TOLERANCES: ±0.05mm

Current Rating: 3 Amps  
 Insulator Resistance: 5000 Megohms min  
 Contact Resistance: 20 m ohms max  
 Dielectric Withstanding: AC 1000 V  
 Operating Temperature: 40° ~ +85° C  
 Max Processing Temp: 230°C for 60 seconds  
 260°C for 10 seconds  
 Contact Material: Phosphor Bronze  
 Insulator Material: High Temperature  
 Thermoplastic.U.L 94V-0

Finish: Tin,Gold Plated  
 Note:  
 Duplex Plating: Gold Plated on contact area,  
 Tin on solder area

PART NO.  
 309 A E XX S X N S 04 0 X 3  
 1 2 3 4 5 6 7 8 9 10 11 12

- |   |   |
|---|---|
| 1.SERIES NO.                            | 7.ROW TYPE  |
| 2.TYPE:<br>A=DIP                        | N=Single Row(H=8.50mm)                                |
| 3.GREEN OPTION:<br>E=RoHS(Bright)       | 8.CONTACT OPTION:<br>S=Straight(Three Mating Contact) |
| 4.CONTACT NUMBER:<br>02~40              | 9.CONTACT LENGTH:<br>04=3.0mm                         |
| 5.CONTACT TYPE:<br>S=Female(PA6T)       | 10.PROCESS OPTION:<br>0=W/O Nose(Fully Loaded)        |
| 6.CONTACT AREA PLATING:<br>G=Gold Flash | 11.PACKAGE OPTION<br>A=TRAY                           |
|   | 12.INSULATOR COLOR:<br>3=Black                        |



UNLESS OTHERWISE SPECIFIED TOLERANCE  
 ±0.2  
 SCALE: AS SHOWN UNIT: mm

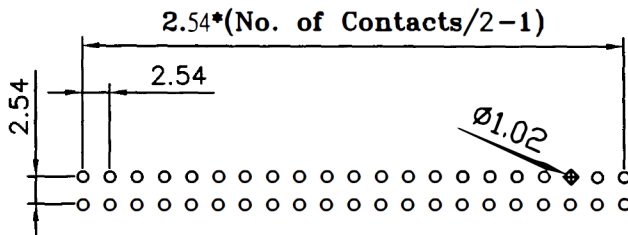
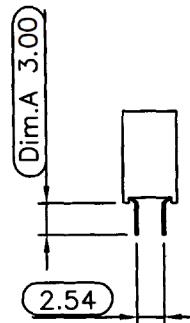
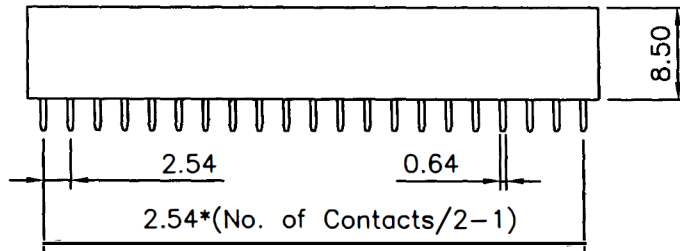
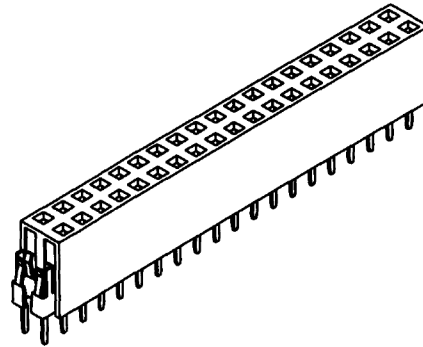
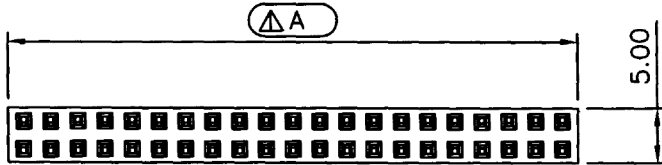
the vital component

REV.	DESCRIPTION	DATE	SIZE	REV.	FILE NAME:
1	2	3	4	5	6
A	ECN-1702028(Vicky)Change P/N	02/22/2017	A4	C	309AEXXSXNS040X3
B	ECN-1005137(Sylvia)	05/31/10			309AEXXSXNS 40X3(C6)
A	DRA-0701011(Dean)	01/05/07			

DRAWN	PEARL	02/22/2017
CHECKED	/ /	
APPROVED	/ /	

DRAWN NAME:	Female Header
(Pitch: 2.54 mm)	
PRODUCT NO.	309AEXXSXNS040X3
FILE NAME:	309AEXXSXNS 40X3(C6)

CONTACTS	A
2*02 ~ 2*03	2.54* No. of Contacts/2
2*04 ~ 2*40	2.54* No. of Contacts/2 + 0.40



RECOMMENDED P.C.B LAYOUT  
TOLERANCES: ±0.05mm

**SPECIFICATION**

**MATERIAL**

Insulator: High Temperature, Thermoplastic.UL 94V-0  
Finish: Tin,Gold Plated  
Duplex Plating: Gold Plated on contact area,  
Tin on solder area  
Contact: Phosphor Bronze

**ELECTRICAL**

Current Rating: 3 Amp.  
Contact Resistance: 20 mohms Max.  
Insulation Resistance: 5000 Megohms Min  
Dielectric Withstanding: AC 1000 V  
Operating Temperature: -40°C TO +85°C  
Max Processing Temp: 230° C for 60 seconds  
260° C for 10 seconds

△ PART NO.

309 A X XX S X P S 04 0 X 3  
1 2 3 4 5 6 7 8 9 10 11 12

- |  |  |
|--|--|
| 1.SERIES NO.                                       | 7.ROW TYPE                                     |
| 2.TYPE:<br>A=DIP                                   | P=Dual Row(H=8.50mm)                           |
| 3.GREEN OPTION:<br>E=RoHS(Bright)<br>F=RoHS(Matte) | 8.CONTACT OPTION:<br>S=Straight                |
| 4.CONTACT NUMBER:<br>04~80(Dual Row)               | 9.CONTACT LENGTH:<br>04=3.0mm                  |
| 5.CONTACT TYPE:<br>S=Female(PA6T)                  | 10.PROCESS OPTION:<br>0=W/O Nose(Fully Loaded) |
| 6.CONTACT AREA PLATING:<br>G=Gold Flash            | 11.PACKAGE OPTION<br>A=TRAY                    |
|  | 12.INSULATOR COLOR:<br>3=Black                 |



UNLESS OTHERWISE SPECIFIED TOLERANCE	
0.	±0.30
.00	±0.20
.000	±0.10

the vital component

REV.	DESCRIPTION	DATE	SCALE: AS SHOWN	UNIT: mm	DRAWN NAME:	FILE NAME:
C	ECN-1501052(Stev)△(7,B)(7,F)&M SIP	01/27/2015	DRAWN	RITA	01/27/2015	DRAWN NAME: Female Header (Pitch: 2.54 mm)
B	ECN-0811030(Cathy)△(1,G)(2,F)8,B	11/04/08	CHECKED	/ /	/ /	PRODUCT NO. 309AEXXSXPS040X3
A	DRA-0701011(Dean)	01/05/07	APPROVED	/ /	/ /	FILE NAME: 309AEXXSXPS040X3(C8)