

# 1mm (.0394") Center Surface Mount Header



## Mechanical

**Pin Retention / Circuit:** 1.0 lbs. min. / circuit  
**Durability:** 20 cycles of mating and unmating  
 15 milliohms contact resistance max. increase

## Electrical

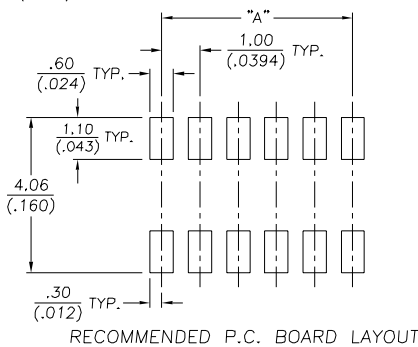
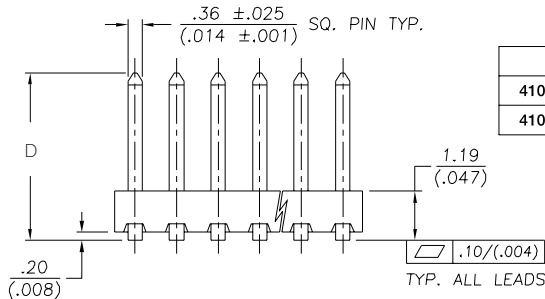
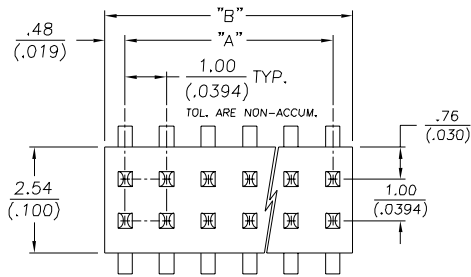
**Current Rating:** 1.0 amp max. / contact  
**Voltage Rating:** 250 VAC  
**Operating Temperature:** -55°C to +125°C  
**Contact Resistance:** 20 mΩ max., initial  
**Insulation Resistance:** 500 MΩ  
**Dielectric Withstanding Voltage:** 500 volts RMS between adjacent terminals

## 4100 SERIES

PART NUMBER LEGEND

**410X-21-2XX-XX**

**PIN LENGTH**  
(SEE TABLE 2)  
**NUMBER OF POSITIONS**  
(SEE TABLE 1)  
**PIN PLATING**  
(SEE NOTE 2)  
**INSULATOR MATERIAL**  
(SEE NOTE 1)



### NOTES:

- INSULATOR MATERIAL: 46 NYLON, UL 94V-0; COLOR: BLACK.  
PIN MATERIAL: PHOSPHOR BRONZE.
- PIN FINISH: 4108-21-2XX-02 : .00076/(.000030) SEL. GOLD PLATE IN CONTACT AREA OVER .00127/(.000050) MIN. NICKEL PLATE ALL OVER; .002/(.0001) MIN. SEL. 90/10 TIN/LEAD AS INDICATED (-811).  
410F-21-2XX-02 : .00038/(.000015) SEL. GOLD PLATE IN CONTACT AREA OVER .00127/(.000050) MIN. NICKEL PLATE ALL OVER; .002/(.0001) MIN. SEL. 90/10 TIN/LEAD AS INDICATED (-809).
- ALL DIMENSIONS ARE IN MM/(IN.).

TABLE 2

PART #	DIM "C"	DIM "D"
410X-21-2XX-01	1.60 (.063)	2.79 ± .13 (.110 ± .005)
410X-21-2XX-02	2.84 (.112)	4.04 ± .13 (.159 ± .005)

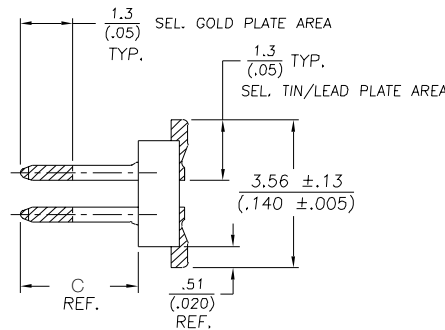


TABLE 1

PART NUMBER	NO. OF CIRCUITS	DIM. "A"	DIM. "B"
410X-21-202-02	4	1.00 (.039)	1.96 (.077)
↑ -203- ↑	6	2.00 (.079)	2.96 (.117)
↑ -204- ↑	8	3.00 (.118)	3.96 (.156)
↑ -205- ↑	10	4.00 (.157)	4.96 (.195)
↑ -206- ↑	12	5.00 (.197)	5.96 (.235)
↑ -207- ↑	14	6.00 (.236)	6.96 (.274)
↑ -208- ↑	16	7.00 (.276)	7.96 (.314)
↑ -209- ↑	18	8.00 (.315)	8.96 (.353)
↑ -210- ↑	20	9.00 (.354)	9.96 (.392)
↑ -211- ↑	22	10.00 (.394)	10.96 (.432)
↑ -212- ↑	24	11.00 (.433)	11.96 (.471)
↑ -213- ↑	26	12.00 (.472)	12.96 (.510)
↑ -214- ↑	28	13.00 (.512)	13.96 (.550)
↑ -215- ↑	30	14.00 (.551)	14.96 (.589)
↑ -216- ↑	32	15.00 (.591)	15.96 (.628)
↑ -217- ↑	34	16.00 (.630)	16.96 (.668)
↑ -218- ↑	36	17.00 (.669)	17.96 (.707)
↑ -219- ↑	38	18.00 (.709)	18.96 (.747)
↑ -220- ↑	40	19.00 (.748)	19.96 (.786)
↑ -221- ↑	42	20.00 (.787)	20.96 (.825)
↑ -222- ↑	44	21.00 (.827)	21.96 (.865)
↑ -223- ↑	46	22.00 (.866)	22.96 (.904)
↑ -224- ↑	48	23.00 (.905)	23.96 (.944)
↑ -225- ↑	50	24.00 (.945)	24.96 (.983)
↑ -226- ↑	52	25.00 (.984)	25.96 (.1022)
↑ -227- ↑	54	26.00 (1.024)	26.96 (1.062)
↑ -228- ↑	56	27.00 (1.063)	27.96 (1.101)
↑ -229- ↑	58	28.00 (1.102)	28.96 (1.140)
↑ 410X-21-230-02 ↓	60	29.00 (1.142)	29.96 (1.180)

FILE # 4100-2X



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