

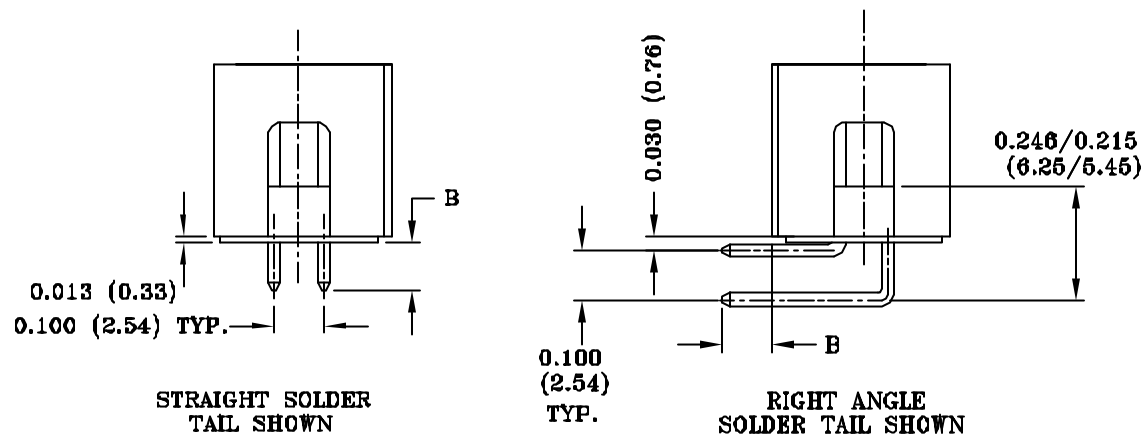
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REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A	ECN#HK899	RELEASE TO CUSTOMER AND SUPERSEDE THE OLD DWG C821-XXXX-XXX	11/24/04	IP
B	ECN#HK1104	ZONE DS. ADD DIM 6.25-5.45 PER CUSTOMER REQUEST	12/08/05	NELSON
C	HK3437	UPDATE DRAWING TO COMPLY WITH RoHS	07/18/05	IP

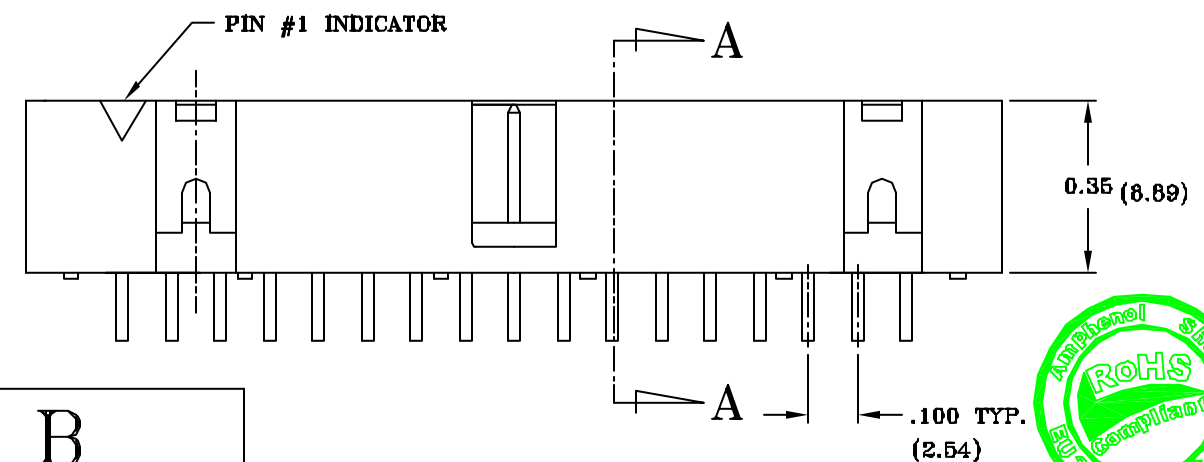
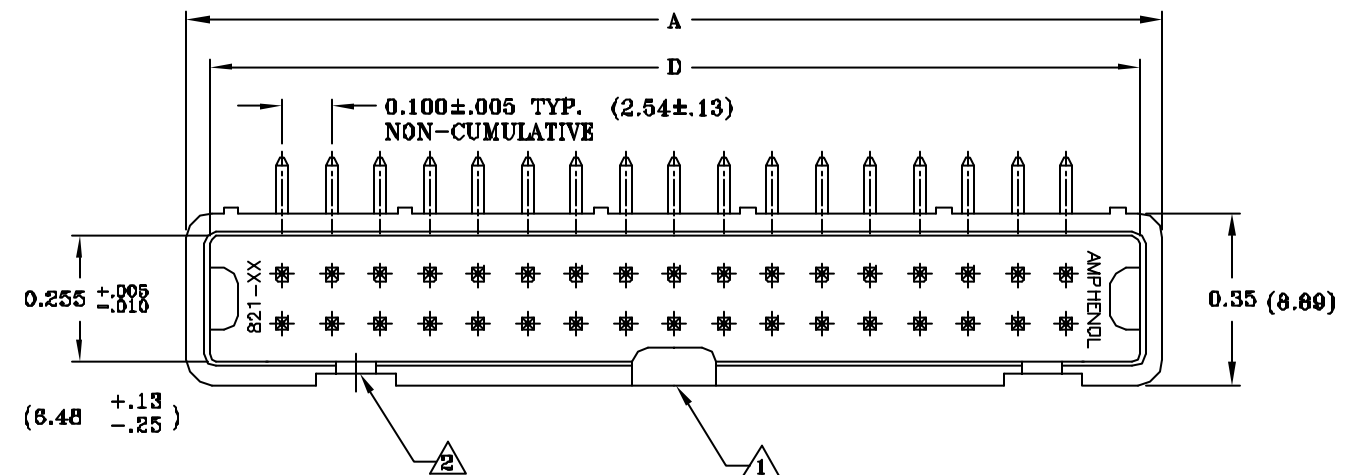
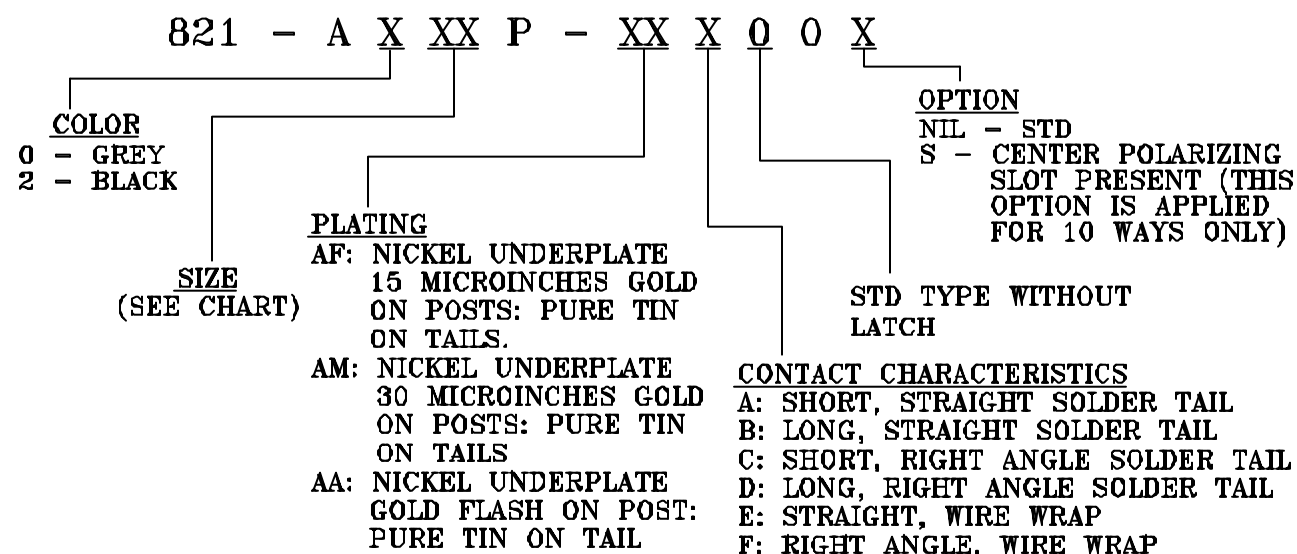
SIZE	A±.010 (.25)	D±.010 (.25)
10	0.790 (20.07)	0.700 (17.78)
14	0.990 (25.15)	0.900 (22.86)
16	1.090 (27.69)	1.000 (25.40)
20	1.290 (32.77)	1.200 (30.48)
26	1.590 (40.39)	1.500 (38.10)
30	1.790 (45.47)	1.700 (43.18)
34	1.990 (50.55)	1.900 (48.26)
38	2.090 (53.09)	2.000 (50.80)
40	2.290 (58.17)	2.200 (55.88)
50	2.790 (70.87)	2.700 (68.58)
60	3.290 (83.57)	3.200 (81.28)
64	3.490 (88.65)	3.400 (86.36)

OPERATING CHARACTERISTICS

- 1> CURRENT CAPACITY: 1 Amp (DC) PER CONTACT.
- 2> VOLTAGE RATING (SEA LEVEL): 1500 VAC RMS.
- 3> OPERATING TEMPERATURE: -55°C TO +105°C.
- 4> BODY CONTACT RETENTION: 7 LBS. (IN BOTH DIRECTIONS)
- 5> LOW LEVEL CONTACT RESISTANCE: 50 MILLIOHMS (MAX.)
- 6> INSULATION RESISTANCE: 5000 MEGOHMS (MIN.)
- 7> DIELECTRIC WITHSTANDING VOLTAGE: 1500 AC RMS (AT SEA LEVEL)



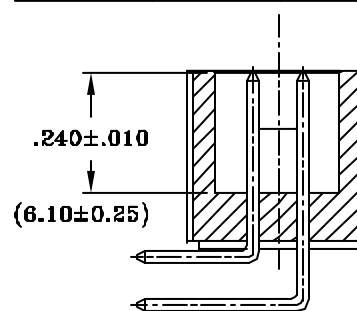
PART NUMBER SYSTEM



NOTES: UNLESS OTHERWISE SPECIFIED

1. CENTER POLARIZING SLOT ABSENT ON SIZE 10, IF THE SLOT IS REQUIRED IN 10 WAYS, A "S" IS REQUIRED TO BE ADDED AT THE END OF THE P/N.
2. POLARIZING KEY SLOT ABSENT IN THIS AREA ON SIZES 10 AND 14.
3. ALL DIMENSIONS ARE IN INCHES.
4. THIS HEADER MATES WITH IDC SOCKET (AMPHENOL 812 SERIES SOCKET)
5. RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT:
SPACING: 0.100 ± 0.003 (2.54±.08)
DIA. OF HOLES: 0.040 ± 0.003 (1.02±.08)
6. MATERIALS:
HOUSING: GLASS REINFORCED POLYESTER, UL94V-0, COLOR-GRAY OR BLACK.
CONTACTS: PHOSPHOR BRONZE ALLOY.
FINISH: GOLD THICKNESS PLATED ON THE MATING LENGTH REFER TO THE PART NUMBER SYSTEM AND 100-200u" PURE TIN PLATED ON THE TAIL WITH 50-100u" NICKEL UNDERPLATED ALLOVER.
7. MAX. CONTACT ROTATION ALLOWED 3°
8. DIMENSIONS IN BRACKET ARE IN MM.
9. MATERIAL SHOULD BE FULFILLED AMPHENOL SPEC #SSN001.

CONTACT CHARACTERISTICS		
STR.	R/A	
E	F	.810±.015 (15.49±.38)
B	D	.160±.010 (4.06±.25)
A	C	.100±.010 (2.54±.25)



SECTION AA

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL	DATE
U.S.		DRAWN	ALEX LEE 07/18/05
METRIC		CHECKED	TSUI 07/18/05
X +/- .015		CHECKED	
XX +/- .010		DRAWING FILE:	
XXX +/- .005		DRAWING\821\821XXPL.DWG	
FRACTIONS +/- .005		ANGLE OF PROJECTION	
ANGLES +/- 2.5°		REMOVE SHARP EDGES	
FOR MATERIALS AND FINISHES SEE NOTES		DIMENSIONS	
U.S.		INCHES	
(METRIC)		-(MM)-	

CUSTOMER DRAWING

Amphenol

821 BOX HEADER

SIZE	DRAWING NO.	REV.
A3	C821-AXXXP-XXX00X	C
SCALE	NONE	SHEET 1 OF 1

Mouser Electronics

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