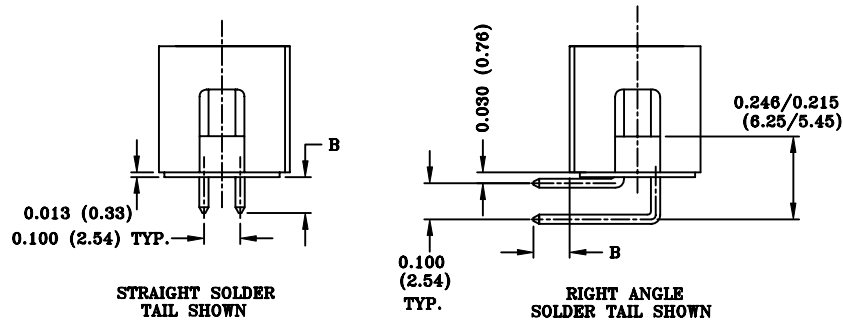


REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A	ECN#HK999	RELEASE TO CUSTOMER AND SUPERSEDE THE OLD DWG C821-XXXX-XXX	11/24/94	IP
B	ECN#HK1104	ZONE D3, ADD DIM 6.25-5.45 PER CUSTOMER REQUEST	12/06/95	NELSON



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)
36	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

821 - A X XX P - XX X 0 0 X

COLOR
0 - GREY
2 - BLACK

SIZE
(SEE CHART)

PLATING

AF: NICKEL UNDERPLATE
15 MICROINCHES GOLD
ON POSTS: TIN/LEAD
ON TAILS.

AM: NICKEL UNDERPLATE
30 MICROINCHES GOLD
ON POSTS: TIN/LEAD
ON TAILS

AA: NICKEL UNDERPLATE
GOLD FLASH ON POST:
TIN/LEAD ON TAIL

OPTION

NIL - STD
S - CENTER POLARIZING
SLOT PRESENT (THIS
OPTION IS APPLIED
FOR 10 WAYS ONLY)

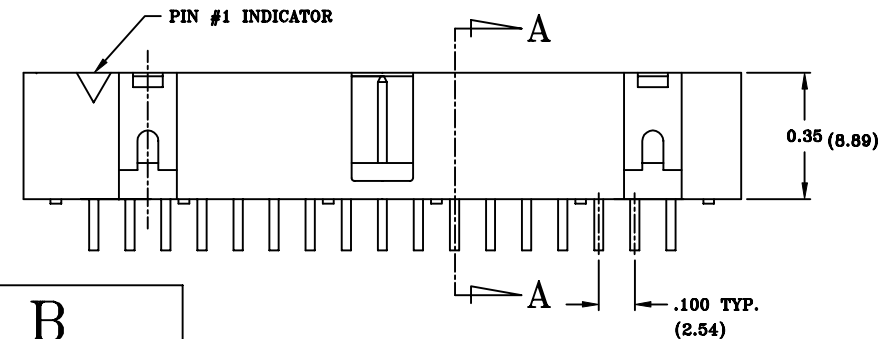
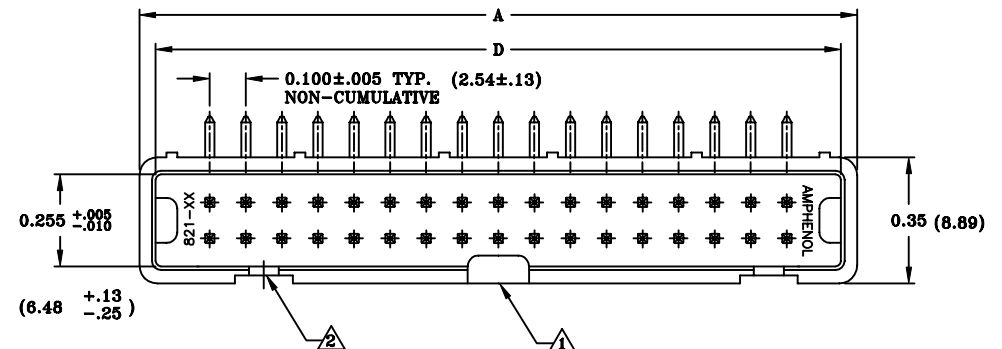
STD TYPE WITHOUT
LATCH

CONTACT CHARACTERISTICS

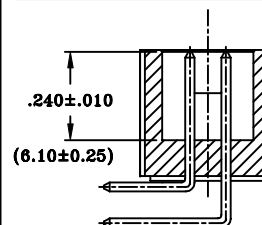
A: SHORT, STRAIGHT SOLDER TAIL
B: LONG, STRAIGHT SOLDER TAIL
C: SHORT, RIGHT ANGLE SOLDER TAIL
D: LONG, RIGHT ANGLE SOLDER TAIL
E: STRAIGHT, WIRE WRAP
F: RIGHT ANGLE, WIRE WRAP

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" TIN/LEAD PLATED ON THE TAIL WITH 50-100u" NICKEL UNDERPLATED ALLOVER.
7. MAX. CONTACT ROTATION ALLOWED 3°
8. DIMENSIONS IN BRACKET ARE IN MM.



CONTACT CHARACTERISTICS		B
STR.	R/A	
E	F	
B	D	
A	C	
		.610±.015 (15.49±.38)
		.160±.010 (4.06±.25)
		.100±.010 (2.54±.25)



CUSTOMER DRAWING

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL	DATE
U.S.	METRIC	DRAWN NELSON	12/06/95
X +/- .015		CHECKED NELSON	12/06/95
XX +/- .010		CHECKED	
XXX +/- .005			
FRACTIONS +/-			
ANGLES +/- 2.5°			
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE: DRAWING\821\C821XXXP-DWG	
REMOVE SHARP EDGES		ANGLE OF PROJECTION	
DIMENSIONS			
U.S.	INCHES		
(METRIC)	(MM)		

Amphenol		
Amphenol East Asia Limited Manufacturing Operation		
TITLE 821 BOX HEADER		
SIZE A3	DRAWING NO. C821-AXXP-XXX00X	REV. B
SCALE NONE	SHEET 1 OF 1	