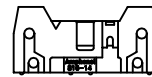
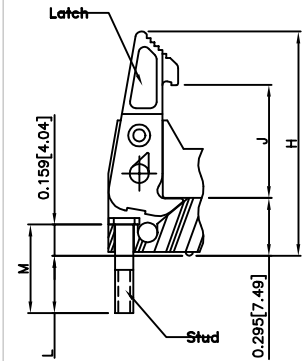
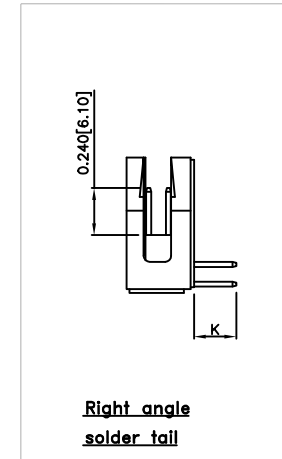
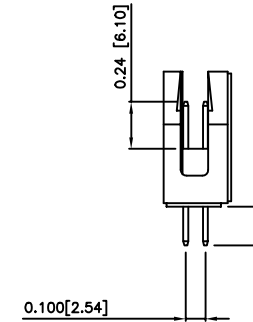
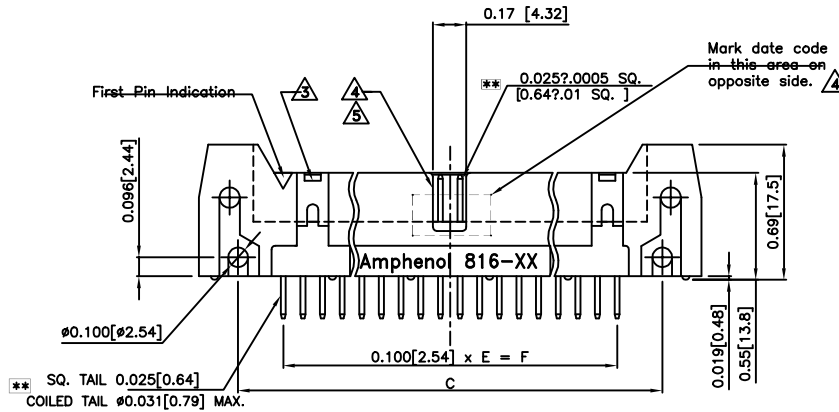
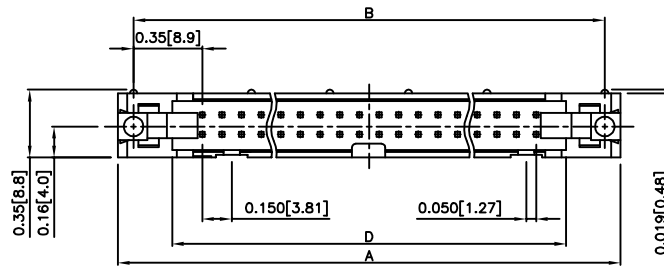
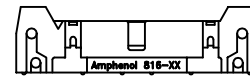


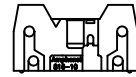
This document is the property of Amphenol Corporation and is delivered on the express condition that it is not to be disclosed, reproduced or used, in whole or in part, for manufacture or sale by anyone other than Amphenol Corporation without its prior consent, and that no right is granted to disclose or to use any information in this document.



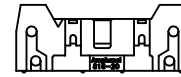
Size 14
P/N: X842-816-14XX-XXX



Size 34 or above
P/N: X842-816-XXXX-XXX



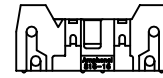
Size 10 with CPK slot
P/N: 842-816-10XX-XXXS, or
P/N: E842-816-10XX-XXX with date code



Size 20
P/N: X842-816-20XX-XXX



Size 10 without CPK slot
P/N: 842-816-10XX-XXX



Size 16
P/N: X842-816-16XX-XXX

Table I

Latch & Eject	J	H
Short: for use with non strain relief socket	0.425 [10.80]	1.015 [25.78]
Long for use with strain relief socket	0.575 [14.61]	1.135 [28.83]

Table II

Stud	L	M
Short stud 2-56	0.29 [7.4]	0.45 [11.43]
Long stud 2-56	0.36 [9.1]	0.52 [13.21]
Stud M2.5	0.18 [4.6]	0.34 [8.6]

Note: unit in inch [mm]

UNLESS OTHERWISE SPECIFIED TOLERANCES

	U.S.	METRIC
.X +/-	.020	0.51
.XX +/-	.010	0.25
.XXX +/-	.005	0.13
FRACTIONS +/-	2.5"	2.5"
ANGLES +/-	2.5°	2.5°

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES

DIMENSIONS

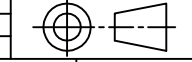
U.S.	INCHES
METRIC	MM

APPROVAL DATE

DRAWN ALEX.LEE	07/18/05
CHECKED TSUI	07/18/05
CHECKED	

DRAWING FILE : \DRAWING\816\CB16.DWG

ANGLE OF PROJECTION



Amphenol

816 Protected Header

SIZE	DRAWING NO.	REV.
A3	C816-XXXX-XXX	T
SCALE	NONE	SHEET 1 OF 2

ORDERING INFORMATION

E 842 - 816 - XX XX - X XX X

Date code _____
Nil - No date code
E - Date code printed ⁴

No. of contact

Body & pin configuration
(Refer to Table III)

Lock & Eject (L&E) and mounting stud options

0 - no L&E, no stud
1 - short L&E, no stud
2 - short L&E, short stud
3 - short L&E, long stud
4 - long L&E, no stud
5 - long L&E, short stud
6 - long L&E, long stud
F - long L&E, M2.5 stud

- Nil - standard
S - standard with polarizing key slot for size 10 Δ 5

Plating			
AA	-	gold flash duplex	
19	-	15 ? gold plated duplex	
35	-	30 ? gold plated duplex	

Table III

Standard product – four side gray	Non-standard product – three side gray (specific quantity required)	K
30 – straight solder tail, for 0.062" [1.6 mm] PCB	20 – obsolete	0.109 ± 0.007 [2.61 ± 0.34] coined tail
31 – straight solder tail, for 0.125" [3.2 mm] PCB	21 – obsolete	0.171 ± 0.009 [4.14 ± 0.36] coined tail
32 – right angle solder tail, for 0.062" [1.6 mm] PCB	22 – obsolete	0.109 ± 0.007 [2.61 ± 0.34] coined tail
33 – right angle solder tail, for 0.125" [3.2 mm] PCB	23 – obsolete	0.171 ± 0.009 [4.14 ± 0.36] coined tail
37 – straight wire wrap tail	27 – obsolete	0.61 ± 0.015 [15.49 ± 0.38] square tail
39 – right angle wire wrap tail	29 – obsolete	0.61 ± 0.015 [15.49 ± 0.38] square tail

Recommended PCB layout

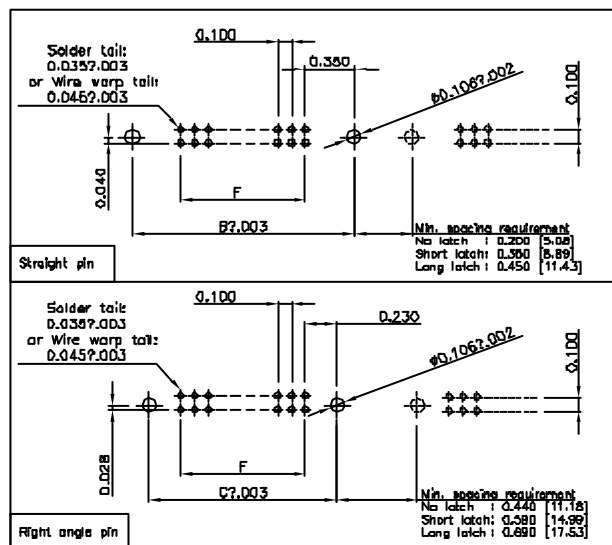


Table IV

Size	A	B	C	D	E	F
10	$\frac{1.26}{[32.07]}$	$\frac{1.10}{[27.94]}$	$\frac{0.860}{[21.84]}$	$\frac{0.708}{[17.98]}$	$\frac{0.400}{[10.16]}$	4
14	$\frac{1.46}{[37.08]}$	$\frac{1.30}{[33.02]}$	$\frac{1.080}{[26.92]}$	$\frac{0.908}{[23.06]}$	$\frac{0.600}{[15.24]}$	6
16	$\frac{1.56}{[39.62]}$	$\frac{1.40}{[35.56]}$	$\frac{1.180}{[29.46]}$	$\frac{1.008}{[25.60]}$	$\frac{0.700}{[17.78]}$	7
20	$\frac{1.76}{[44.70]}$	$\frac{1.60}{[40.64]}$	$\frac{1.360}{[34.54]}$	$\frac{1.208}{[30.68]}$	$\frac{0.900}{[22.86]}$	9
26	$\frac{2.06}{[52.32]}$	$\frac{1.90}{[48.26]}$	$\frac{1.660}{[42.16]}$	$\frac{1.508}{[38.30]}$	$\frac{1.200}{[30.40]}$	11
30	$\frac{2.26}{[57.40]}$	$\frac{2.10}{[53.34]}$	$\frac{1.860}{[47.24]}$	$\frac{1.708}{[43.38]}$	$\frac{1.400}{[35.56]}$	14
34	$\frac{2.46}{[62.48]}$	$\frac{2.30}{[58.42]}$	$\frac{2.060}{[52.32]}$	$\frac{1.908}{[48.46]}$	$\frac{1.600}{[40.64]}$	16
40	$\frac{2.76}{[70.10]}$	$\frac{2.60}{[66.04]}$	$\frac{2.360}{[59.94]}$	$\frac{2.208}{[56.06]}$	$\frac{1.900}{[48.26]}$	18
50	$\frac{3.26}{[82.80]}$	$\frac{3.10}{[78.74]}$	$\frac{2.860}{[72.64]}$	$\frac{2.708}{[68.78]}$	$\frac{2.400}{[60.96]}$	22
60	$\frac{3.76}{[95.50]}$	$\frac{3.60}{[91.44]}$	$\frac{3.360}{[85.34]}$	$\frac{3.208}{[81.48]}$	$\frac{2.900}{[73.66]}$	28
64	$\frac{3.96}{[100.58]}$	$\frac{3.80}{[96.52]}$	$\frac{3.560}{[90.42]}$	$\frac{3.408}{[86.60]}$	$\frac{3.100}{[78.74]}$	32

Customer Drawing

Amphenol

UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL		DATE		Amphenol	
U.S. METRIC		DRAWN ALEXJEE		07/18/04			
		CHECKED TSM		07/18/04			
		CHECKED					
X +/- .020 0.51 X +/- .010 0.25 X +/- .008 0.15 FRACTIONS +/- ANGLES +/- 2.5° 2.5°		DRAWING FILE :		TITLE		B16 Protected Header	
FOR MATERIALS AND FINISHES SEE NOTES		DRAWINGS BY A.D.M.C.D.M.S					
REMOVE SHARP EDGES		ANGLE OF PROJECTION					
DIMENSIONS							
U.S. INCHES				SIZE DRAWING NO.		REV.	
METRIC MM				A3 C816-XXXX-XXX		T	
				SCALE NONE		SHEET 2 OF 2	