

ORDERING INFORMATION

E 842 - 816 - XX XX - X XX X

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

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 

Plating
AA - gold flash duplex
19 - 15u" gold plated duplex
35 - 30u" gold plated duplex

Table III

Standard product - four side grey	Non-standard product - three side grey (specific quantity required)	K
30 - straight solder tail, for 0.062" [1.6 mm] PCB	20 - obsolete	0.109 ± 0.007 ± 0.020 [2.61 ± 0.34] coined tail
31 - straight solder tail, for 0.125" [3.2 mm] PCB	21 - obsolete	0.171 ± 0.008 ± 0.022 [4.14 ± 0.36] coined tail
32 - right angle solder tail, for 0.062" [1.6 mm] PCB	22 - obsolete	0.109 ± 0.007 ± 0.020 [2.61 ± 0.34] coined tail
33 - right angle solder tail, for 0.125" [3.2 mm] PCB	23 - obsolete	0.171 ± 0.008 ± 0.022 [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

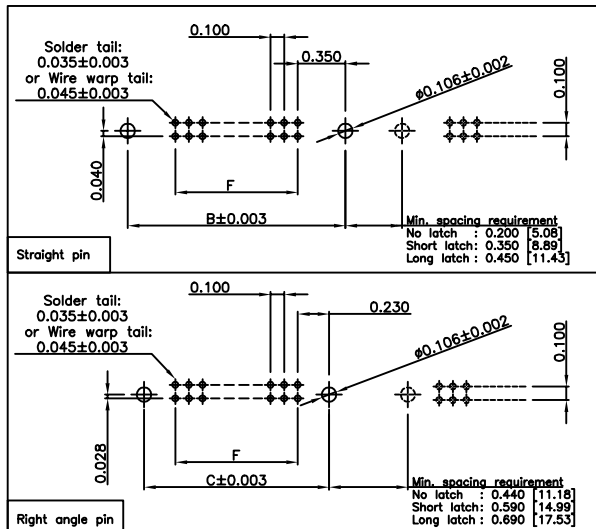


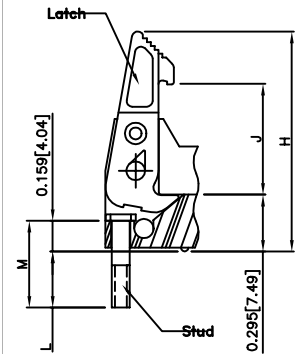
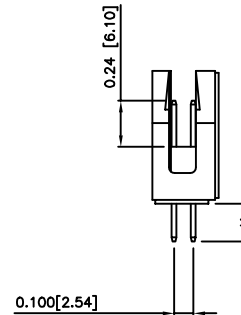
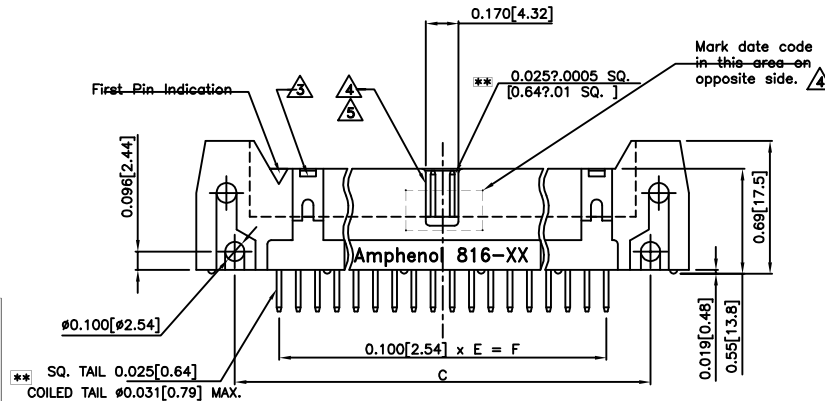
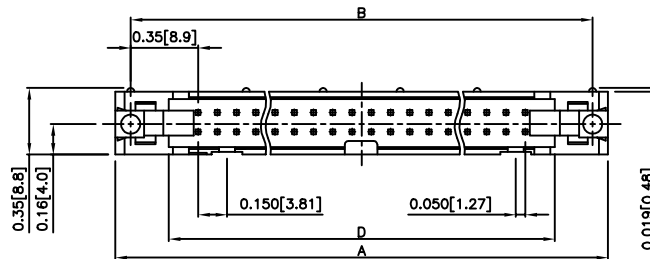
Table IV

Size	A	B	C	D	E	F
10	1.26 [32.07]	1.10 [27.94]	0.860 [21.84]	0.708 [17.98]	0.400 [10.16]	4
14	1.46 [37.08]	1.30 [33.02]	1.060 [26.92]	0.908 [23.06]	0.600 [15.24]	6
16	1.56 [39.62]	1.40 [35.56]	1.160 [29.46]	1.008 [25.60]	0.700 [17.78]	7
20	1.76 [44.70]	1.60 [40.64]	1.360 [34.54]	1.208 [30.68]	0.900 [22.86]	9
26	2.06 [52.32]	1.90 [48.26]	1.660 [42.16]	1.508 [38.30]	1.200 [30.40]	12
30	2.26 [57.40]	2.10 [53.34]	1.860 [47.24]	1.708 [43.38]	1.400 [35.56]	14
34	2.46 [62.48]	2.30 [58.42]	2.060 [52.32]	1.908 [48.46]	1.600 [40.64]	16
40	2.76 [70.10]	2.60 [66.04]	2.360 [59.94]	2.208 [56.08]	1.900 [48.26]	19
50	3.26 [82.80]	3.10 [78.74]	2.860 [72.64]	2.708 [68.78]	2.400 [60.96]	24
60	3.76 [95.50]	3.60 [91.44]	3.360 [85.34]	3.208 [81.48]	2.900 [73.66]	29
64	3.96 [100.58]	3.80 [96.52]	3.560 [90.42]	3.408 [86.60]	3.100 [78.74]	31

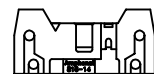
Customer Drawing

UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- .020 0.51 .XX +/- .010 0.25 .XXX +/- .005 0.13 FRACTIONS +/- ANGLES +/- 2.5° 2.5°	APPROVAL	DATE	Amphenol
	DRAWN ALEX.LEE	07/18/05	
	CHECKED TSUI	07/18/05	
	CHECKED		
FOR MATERIALS AND FINISHES SEE NOTES	DRAWING FILE : DRAWING_816_CB16.DWG		TITLE
REMOVE SHARP EDGES	ANGLE OF PROJECTION		816 Protected Header
DIMENSIONS			SIZE DRAWING NO.
U.S. INCHES			A3 C816-XXXX-XXX
METRIC MM			SCALE NONE
			SHEET 2 OF 2

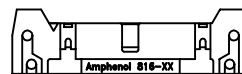
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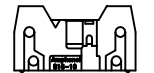
Optional latch and stud



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



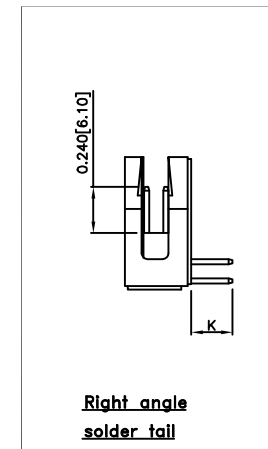
Size 20
P/N: X842-816-20XX-XXX



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



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



Right angle
solder tail

Customer Drawing

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 +/-		
ANGLES +/-	2.5°	2.5°

FOR MATERIALS AND FINISHES SEE NOTES

REMOVE SHARP EDGES

DIMENSIONS

U.S. INCHES

METRIC MM

APPROVAL

DRAWN ALEX.LEE	DATE 07/18/05
CHECKED TSU	DATE 07/18/05
CHECKED	

DRAWING FILE : \DRAWING\816\CB816.DWG

ANGLE OF PROJECTION



Amphenol

816 Protected Header

SIZE DRAWING NO. A3 CB816-XXXX-XXX

SCALE NONE SHEET 1 OF 2

REV. T



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