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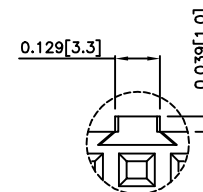
# REVISIONS

| SYM | ECN    | DESCRIPTION                        | DATE     | APPROVED |
|-----|--------|------------------------------------|----------|----------|
| L   | HK1406 | Release to Customer                | 05/05/97 | NELSON   |
| M   | HK3437 | UPDATE DRAWING TO COMPLY WITH RoHS | 07/18/05 | IP       |

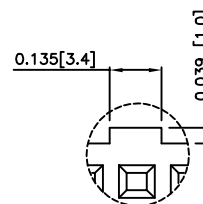
## CPK Options



No CPK

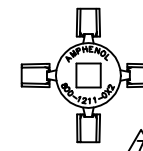


Install CPK  
(Optional)

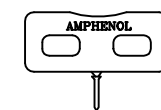


CPK molded-in

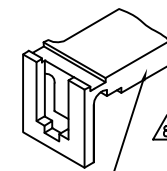
## Accessories



Center Polarizing Key  
(4 pcs shown)



Polarizing plug



Close entry cover

## Customer Drawing

|   |   |                          |     |
|---|---|--------------------------|-----|
| 1 | - | Insulator Body           | 1   |
| 2 | - | Contact                  | XX  |
| 3 | - | Cover                    | 1   |
| 4 | - | Strain Relief (optional) | (1) |

| ITEM NO                               | PART OR IDENTIFICATION NO | NOMENCLATURE OR DESCRIPTION           | QTY REQ'D |
|---------------------------------------|---------------------------|---------------------------------------|-----------|
| PARTS LIST                            |                           |                                       |           |
| UNLESS OTHERWISE SPECIFIED TOLERANCES |                           |                                       |           |
|                                       |                           | APPROVAL                              | DATE      |
|                                       |                           | DRAWN ALEX.LEE                        | 07/18/05  |
|                                       |                           | CHECKED TSUI                          | 07/18/05  |
|                                       |                           | CHECKED                               |           |
|                                       |                           | FOR MATERIALS AND FINISHES SEE NOTES  |           |
|                                       |                           | DRAWING FILE : \DRAWING\ 812\CB12.dwg |           |
|                                       |                           | REMOVE SHARP EDGES                    |           |
|                                       |                           | ANGLE OF PROJECTION                   |           |
|                                       |                           | DIMENSIONS                            |           |
|                                       |                           | U.S.                                  | INCHES    |
|                                       |                           | METRIC                                | MM        |
|                                       |                           | SCALE                                 | 2 : 1     |
|                                       |                           | SHEET                                 | 1 OF 2    |

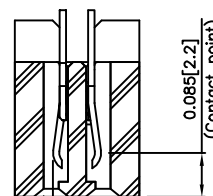
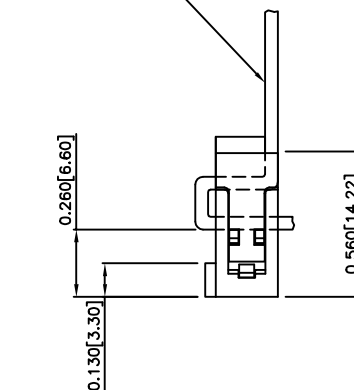
Amphenol

812 Series Connector

SIZE A3 C812-XXXX-XXX

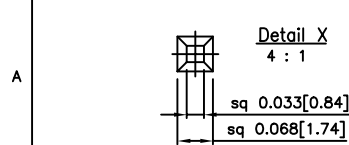
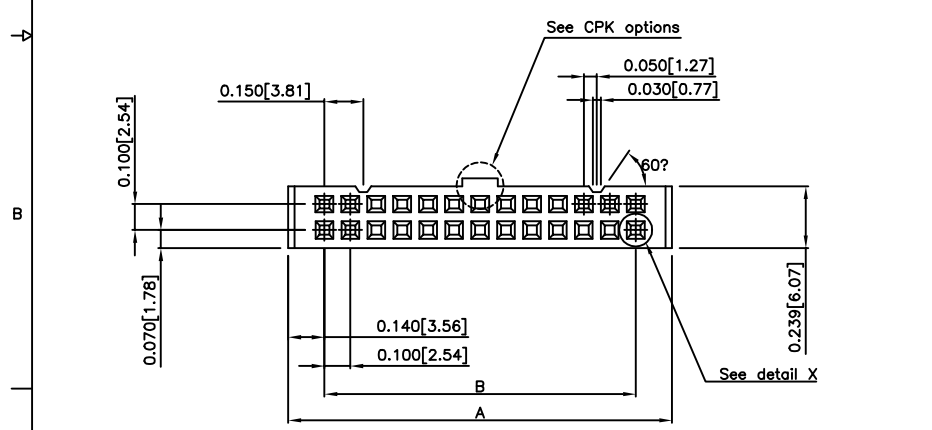
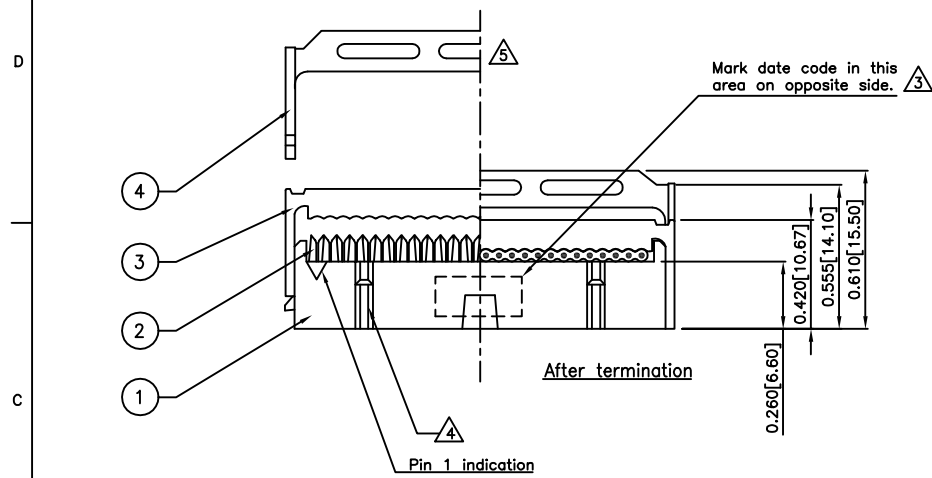
REV. M

Flat ribbon cable



Section view  
4 : 1

Note: Unit in inch [mm]

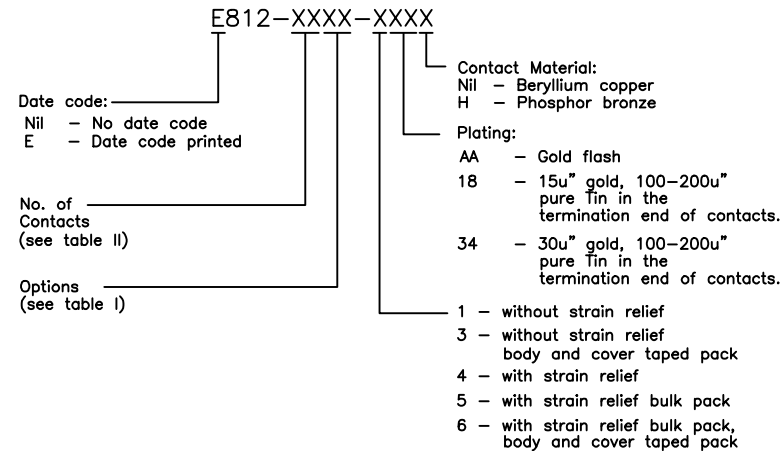


| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| SYM       | ECN | DESCRIPTION | DATE | APPROVED |
|           |     | See sheet 1 |      |          |

## Notes:

- Connectors purchased under this drawing will mate with MIL-C-83503/20A and MIL-C-82503/21A header connectors with latches or without latches and 816 / 821 header connectors.
- This assembly is designed to meet requirements of MIL-C-83503/7B, and European standard IEC 603-13
- For P/N with prefix "E", date code are added on back side of socket.
- This polarization key slot not available on size 10 and 14.
- Strain relief may be ordered separately, Amphenol P/N 800-1206-XXX (see Table II)
- Strain relief is bagged separately.
- Center polarizing key (CPK) may be ordered separately, Amphenol P/N 800-1211-002 grey or 800-1211-012 black
- Optional closed entry cover (CEC) available. May be ordered separately. (see Table II on this sheet) assemblies ordered without standard cover and with CEC will have CEC's bagged separately.
- Polarizing plug may be ordered separately, Amphenol P/N 800-1211-004 15% GF Nylon white or 800-1211-005 30% GF PBT grey
- Termination kit P/N 357-116.
- This connector is both UL and CSA approved.
- Refer to Amphenol S-812-001 for product specification.
- Material should be fulfilled amphenol spec#SSN001.

## Part Number System



## Table I - Options

### Standard product

- 22 - Grey, no CPK
- 33 - Grey, CPK molded-in
- 34 - Grey, CPK molded-in, CEC even side
- 35 - Grey, CPK molded-in, CEC odd side
- 43 - Grey, no CPK, CEC odd side
- 44 - Grey, no CPK, CEC even side

### Standard product with special requirement

- 03 - Grey, no CPK, CEC bulk pack
- 04 - Grey, CPK molded-in, CEC bulk pack 
- 12 - Grey, no CPK, cover bulk pack
- 13 - Grey, CPK molded-in, cover bulk pack
- 32 - Grey, CPK installed
- 36 - Grey, CPK molded-in, CEC even side with slots
- 37 - Grey, CPK molded-in, CEC odd side with slots
- 38 - Grey, CPK molded-in, standard cover with slots
- 42 - Grey, CPK Glued-in

### Non-standard product (specific quantity required)

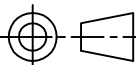
- 02 - Black, no CPK, non pre-latch
- 05 - Black, no CPK, CEC bulk pack 
- 06 - Black, CPK molded-in, CEC bulk pack 
- 09 - Black, no CPK
- 10 - Black, CPK molded-in
- 23 - Black, no CPK
- 45 - Black, CPK molded-in

Table II

| No. of position | Strain Relief 800-1206-XXX |       | CEC 800-1205-XXX |       | A       |         | B       |         |
|-----------------|----------------------------|-------|------------------|-------|---------|---------|---------|---------|
|                 | Grey                       | Black | Grey             | Black | in±.004 | mm±.10  | in±.005 | mm±.13  |
| 10              | -030                       | -050  | -070             | -090  | .68     | [17.27] | .40     | [10.16] |
| 14              | -031                       | -051  | -071             | -091  | .88     | [22.35] | .60     | [15.24] |
| 16              | -032                       | -052  | -072             | -092  | .98     | [24.89] | .70     | [17.78] |
| 20              | -033                       | -053  | -073             | -093  | 1.18    | [29.97] | .90     | [22.86] |
| 26              | -034                       | -054  | -074             | -094  | 1.48    | [37.59] | 1.20    | [30.48] |
| 30              | -040                       | -060  | -080             | -100  | 1.68    | [42.67] | 1.40    | [35.56] |
| 34              | -035                       | -055  | -075             | -095  | 1.88    | [47.75] | 1.60    | [40.64] |
| 36              | -041                       | -061  | -081             | -101  | 1.98    | [50.29] | 1.70    | [43.18] |
| 40              | -036                       | -056  | -076             | -096  | 2.18    | [55.37] | 1.90    | [48.26] |
| 50              | -037                       | -057  | -077             | -097  | 2.68    | [68.07] | 2.40    | [60.96] |
| 60              | -038                       | -058  | -078             | -098  | 3.18    | [80.77] | 2.90    | [73.66] |
| 64              | -039                       | -059  | -079             | -099  | 3.38    | [85.85] | 3.10    | [78.74] |



## Customer Drawing

|                                          |               |                                                                                       |                      |
|------------------------------------------|---------------|---------------------------------------------------------------------------------------|----------------------|
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES |               | APPROVAL                                                                              | DATE                 |
| U.S. METRIC                              |               | DRAWN ALEX.LEE                                                                        | 07/18/05             |
| .X +/- .020 0.51                         |               | CHECKED TSUI                                                                          | 07/18/05             |
| .XX +/- .010 0.25                        |               | CHECKED                                                                               |                      |
| .XXX +/- .005 0.13                       |               |                                                                                       |                      |
| FRACTIONS +/-                            |               |                                                                                       |                      |
| ANGLES +/- 2.5° 2.5°                     |               |                                                                                       |                      |
| FOR MATERIALS AND FINISHES<br>SEE NOTES  |               | DRAWING FILE :<br>DRAWING\812\CB12.dwg                                                |                      |
| REMOVE SHARP EDGES                       |               | ANGLE OF PROJECTION                                                                   |                      |
| DIMENSIONS                               |               |                                                                                       |                      |
| U.S.                                     | INCHES        |                                                                                       |                      |
| METRIC                                   | MM            |                                                                                       |                      |
|                                          |               |  |                      |
| TITLE                                    |               |                                                                                       | 812 Series Connector |
| SIZE                                     | DRAWING NO.   | REV.                                                                                  |                      |
| A3                                       | C812-XXXX-XXX | M                                                                                     |                      |
| SCALE                                    | 2 : 1         | SHEET                                                                                 | 2 OF 2               |