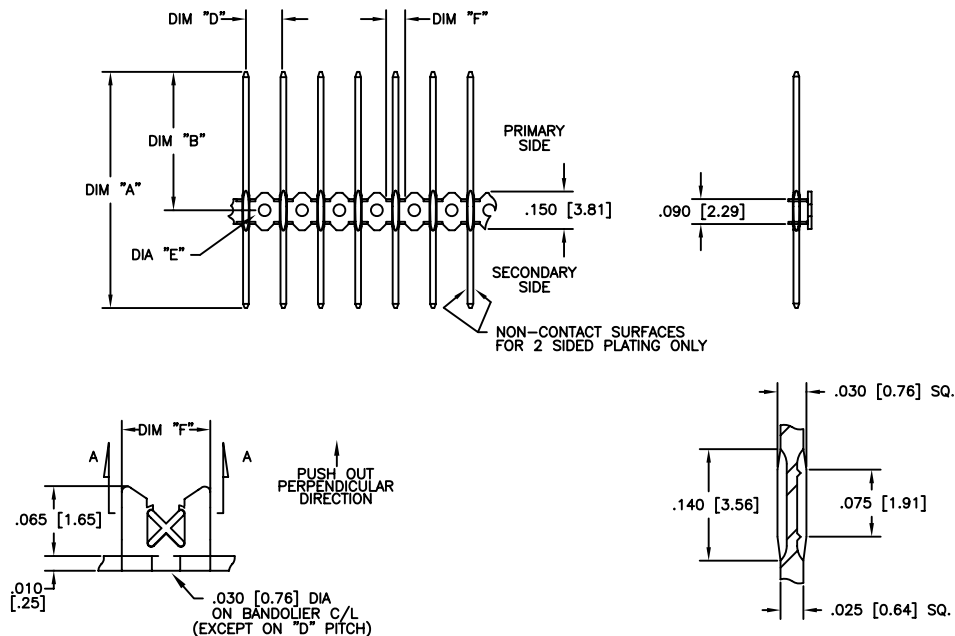


PRODUCT NUMBER

SEE TABLE



## OPTIONS:

- \* PIN LENGTHS
- \* BANDOLIER PITCH (.100" [2.54mm], .125" [3.18mm], .150" [3.81mm])
- \* GOLD, TIN-LEAD AND TIN PLATING LENGTHS
- \* GOLD THICKNESS

## SPECIFICATIONS—MECHANICAL:

- \* DURABILITY: 200 CYCLES — WHEN USED WITH NORTEL GOLD CONTACT CONNECTORS
- \* PERPENDICULAR PUSH OUT FORCE: 3-5 1/2 LBS / PIN TYP.
- \* OPERATING TEMPERATURE: -55°C TO +85°C

## SPECIFICATIONS—ELECTRICAL:

- \* CURRENT RATING(CONTINUOUS): 2 AMP/CONTACT MAX

## FEATURES:

- \* .025" [0.63mm] SQUARE PINS
- \* SELECTIVE GOLD PLATING IN CONTACT AREA:  
2 SIDED AND 4 SIDED GOLD PLATING AVAILABLE
- \* GOLD, TIN-LEAD OR TIN PLATING AT EITHER END
- \* PROGRESSIVE TAPER NOSE (FROM 4 SIDE COINING) AT BOTH ENDS FOR SMOOTH ENGAGEMENT IN CONTACT
- \* BANDOLIERED (.100" [2.54mm], .125" [3.18mm], .150" [3.81mm] PITCH) FOR BACKPANEL OR HEADER INSERTION
- \* TIN-LEAD, TIN OR GOLD STRIKE IS PLATED IN AREA WHERE SOLDERING TO BOARD IS REQUIRED.
- \* FLUTE AREA DESIGNED FOR RETENTION IN .062"-.093" [1.57mm-2.36mm] THICK PCB TYPICALLY
- \* DESIGNED FOR .037+.001/-0.002" [0.94+0.03, -0.05] PCB FINISHED HOLE SIZE (FHS)

| mat'l. code |          |     |            | surface                               |              | tolerance  | projection   | product family                         |  |
|-------------|----------|-----|------------|---------------------------------------|--------------|------------|--------------|----------------------------------------|--|
| NOTE 1      |          |     |            | ASME Y14.5                            |              | ASME Y14.5 | INCH/MM      | NORCON                                 |  |
| ltr         | ecm no   | dr  | date       | tolerances unless otherwise specified |              |            |              | title                                  |  |
| E           | V06-0040 | HTB | 1/23/06    | angles                                | fin          |            |              | FREE STANDING PINS<br>STAKE AND SOLDER |  |
| F           | V06-0662 | JRV | 2006-07-11 |                                       |              |            | scale N.T.S. | dwg no                                 |  |
|             |          |     |            | dr                                    | T. BREWBAKER | 1/23/06    | FCI          | sheet 1 of 3                           |  |
|             |          |     |            | engr                                  | T. BREWBAKER | 1/23/06    |              | 54364                                  |  |
|             |          |     |            | chr                                   | T. BREWBAKER | 1/23/06    |              | size                                   |  |
|             |          |     |            | appd                                  | T. BREWBAKER | 1/23/06    |              | A4                                     |  |
| sheet       | revision | F   | F          | F                                     |              |            |              | type                                   |  |
| index       | sheet    | 1   | 2          | 3                                     |              |            |              | CUSTOMER Drawing                       |  |



| PRODUCT NUMBER | ENG. CODE   | DIM "A"      | DIM "B"    | MATING END<br>NOTE 2 | DIM "D"<br>(PITCH) | DIM "E"   | DIM "F"   | AVG. QTY.<br>PER REEL | GOLD<br>HEIGHT                 | NOTES |
|----------------|-------------|--------------|------------|----------------------|--------------------|-----------|-----------|-----------------------|--------------------------------|-------|
| A0271525       | NPS25042L1B | DISCONTINUED |            |                      |                    |           |           |                       |                                |       |
| A0274630       | NPS25042L2B |              |            |                      |                    |           |           |                       |                                |       |
| A0274631       | NPS25042L3B |              |            |                      |                    |           |           |                       |                                |       |
| A0274863       | NPS25042L2C |              |            |                      |                    |           |           |                       |                                |       |
| A0274864       | NPS25042L3C |              |            |                      |                    |           |           |                       |                                |       |
| A0275017       | NPS25042L1C |              |            |                      |                    |           |           |                       |                                |       |
| A0275018       | NPS25042L4B |              |            |                      |                    |           |           |                       |                                |       |
| A0275019       | NPS25042L4C |              |            |                      |                    |           |           |                       |                                |       |
| A0275022       | NPS25042L5B |              |            |                      |                    |           |           |                       |                                |       |
| A0275023       | NPS25042L5C |              |            |                      |                    |           |           |                       |                                |       |
| A0275027       | NPS25042L6B | 1.230/31.24  | .660/16.76 | P & S                | .150/3.81          | .050/1.27 | .070/1.78 | 26,500                | .300/7.62 - P                  | -     |
| A0275027LF     | -           | 1.230/31.24  | .660/16.76 | P & S                | .150/3.81          | .050/1.27 | .070/1.78 | 26,500                | .300/7.62 - P                  | 4     |
| A0275028       | NPS25042L6C | DISCONTINUED |            |                      |                    |           |           |                       |                                |       |
| A0299834       | NPS25042L7C |              |            |                      |                    |           |           |                       |                                |       |
| A0329013       | NPS25042L8B |              |            |                      |                    |           |           |                       |                                |       |
| A0344895       | NPS25042L1B |              |            |                      |                    |           |           |                       |                                |       |
| A0344896       | NPS25042L1C |              |            |                      |                    |           |           |                       |                                |       |
| A0344897       | NPS25042L2B |              |            |                      |                    |           |           |                       |                                |       |
| A0344898       | NPS25042L2C | DISCONTINUED |            |                      |                    |           |           |                       |                                |       |
| A0344899       | NPS25042L3B |              |            |                      |                    |           |           |                       |                                |       |
| A0344899LF     | -           |              |            |                      |                    |           |           |                       |                                |       |
| A0344900       | NPS25042L3C |              |            |                      |                    |           |           |                       |                                |       |
| A0344900LF     | -           |              |            |                      |                    |           |           |                       |                                |       |
| A0344901       | NPS25042L4B |              |            |                      |                    |           |           |                       |                                |       |
| A0344901LF     | -           | DISCONTINUED |            |                      |                    |           |           |                       |                                |       |
| A0344902       | NPS25042L4C |              |            |                      |                    |           |           |                       |                                |       |
| A0344903       | NPS25042L5B |              |            |                      |                    |           |           |                       |                                |       |
| A0344904       | NPS25042L5C | 1.230/31.24  | .660/16.76 | P & S                | .125/3.18          | .040/1.02 | .070/1.78 | 32,000                | .300/7.62 - P<br>.200/5.08 - S | -     |
| A0344904LF     | -           | 1.230/31.24  | .660/16.76 | P & S                | .125/3.18          | .040/1.02 | .070/1.78 | 32,000                | .300/7.62 - P<br>.200/5.08 - S | 4     |

|             |          |       |      |                                       |              |                         |  |            |  |                                        |      |
|-------------|----------|-------|------|---------------------------------------|--------------|-------------------------|--|------------|--|----------------------------------------|------|
| mat'l. code |          |       |      | surface<br>ASME Y14.5                 |              | tolerance<br>ASME Y14.5 |  | projection |  | product family<br>NORCON               |      |
| NOTE 1      |          |       |      | tolerances unless otherwise specified |              | INCH/MM                 |  | title      |  | FREE STANDING PINS<br>STAKE AND SOLDER |      |
| ltr         | ecr no   | dr    | date | angles                                | line in      | scale N.T.S.            |  | dwg no     |  | sheet 2 of 3                           | size |
| F           |          |       |      |                                       |              |                         |  | 54364      |  | A4                                     |      |
|             |          |       |      | dr                                    | T. BREWBAKER | 1/23/06                 |  | FCI        |  |                                        |      |
|             |          |       |      | engr                                  | T. BREWBAKER | 1/23/06                 |  | type       |  | CUSTOMER Drawing                       |      |
|             |          |       |      | chr                                   | T. BREWBAKER | 1/23/06                 |  |            |  |                                        |      |
|             |          |       |      | appd                                  | T. BREWBAKER | 1/23/06                 |  |            |  |                                        |      |
| sheet index | revision | sheet |      |                                       |              |                         |  |            |  |                                        |      |



| PRODUCT NUMBER | ENG. CODE   | DIM "A"      | DIM "B" | MATING END | DIM "D"<br>(PITCH) | DIM "E" | DIM "F" | AVG. QTY.<br>PER REEL | GOLD<br>HEIGHT | NOTES |
|----------------|-------------|--------------|---------|------------|--------------------|---------|---------|-----------------------|----------------|-------|
| AO344905       | NPS25042L6B | DISCONTINUED |         |            |                    |         |         |                       |                |       |
| AO344906       | NPS25042L6C |              |         |            |                    |         |         |                       |                |       |
| AO344907       | NPS25042L7C |              |         |            |                    |         |         |                       |                |       |
| AO344908       | NPS25042L8B |              |         |            |                    |         |         |                       |                |       |

## NOTES:

- ①. BANDOLIER MATERIAL: C26000  
 PIN MATERIAL: C51000  
 CONTACT AREA FINISH:  $30\mu$  /  $0.76\mu$  Au  
 CONTACT UNDERPLATE:  $50\mu$  /  $1.27\mu$  Ni  
 SOLDER AREA FINISH:  $100-200\mu$  /  $2.54-5.08\mu$  SnPb  
 LF SOLDER AREA FINISH:  $100\mu$  /  $2.54\mu$  Sn  
 OVERALL UNDERPLATE:  $20\mu$  /  $0.51\mu$  Ni  
 FLUTE AND CENTRAL SECTION FINISH:  
 -FOR PINS WITH PRIMARY AND SECONDARY GOLD  
 PLATING: Au STRIKE  
 -FOR ALL OTHER PINS:  $60-200\mu$  [ $1.52-5.08\mu$ ] SnPb  
 -FOR OTHER LF PINS:  $100\mu$  /  $2.54\mu$  SnPb
- ②. P: PRIMARY SIDE OF PIN  
 S: SECONDARY SIDE OF PIN
3. PACKAGING: CARDBOARD REELS WITH PAPER INTERLEAVE  
 RIGHT OR LEFT REELING OPTION (PER DRAWING 57399)
- ④. PART NUMBERS WITH AN LF SUFFIX MEET EUROPEAN  
 UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
 AS DESCRIBED IN GS-22-008.

|             |                |    |      |                                       |              |                         |  |            |              |                  |  |
|-------------|----------------|----|------|---------------------------------------|--------------|-------------------------|--|------------|--------------|------------------|--|
| mat'l. code |                |    |      | surface<br>ASME Y14.5                 |              | tolerance<br>ASME Y14.5 |  | projection |              | product family   |  |
| NOTE 1      |                |    |      | ASME Y14.5                            |              | ASME Y14.5              |  |            |              | NORCON           |  |
| ltr         | ecr no         | dr | date | tolerances unless otherwise specified |              |                         |  |            |              |                  |  |
| F           |                |    |      | angles                                | line         |                         |  |            |              |                  |  |
|             |                |    |      |                                       |              | INCH/MM                 |  |            |              |                  |  |
|             |                |    |      |                                       |              | scale N.T.S.            |  |            |              |                  |  |
|             |                |    |      | dr                                    | T. BREWBAKER | 1/23/06                 |  |            | dwg no       |                  |  |
|             |                |    |      | engr                                  | T. BREWBAKER | 1/23/06                 |  |            | sheet 3 of 3 |                  |  |
|             |                |    |      | chr                                   | T. BREWBAKER | 1/23/06                 |  |            | size         |                  |  |
|             |                |    |      | appd                                  | T. BREWBAKER | 1/23/06                 |  |            | A4           |                  |  |
|             |                |    |      |                                       |              |                         |  | type       |              | CUSTOMER Drawing |  |
| sheet index | revision sheet |    |      |                                       |              |                         |  |            |              |                  |  |