

| mat'l. code |  |  |  |  |  | tolerances unless otherwise specified |  |  |  |  |  | CUSTOMER COPY |  |  | Fel |  |  |  | www.fciconnect.com |  |  |  |  |
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| ltr | ecn no |  | dr | $\begin{array}{\|l\|} \hline \text { date } \\ \hline 5 / 20 / 05 \\ \hline \end{array}$ |  | linear | . $\mathrm{Xx} \pm .01 / \mathrm{x} \pm .3$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D |  | 0130 | ZC |  |  |  | . $\mathrm{XXX} \pm$ | 005 | . XX |  | projection |  |  | title HEADER, QUICKIE SEA, HORSE, RIGHT ANGLE |  |  |  |  |  |  |  |  |
| E | N07-0151 |  | WG | 08/01/01 |  |  | . $\mathrm{XXXX} \pm .0020 / . \mathrm{xxX} \pm .051$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | angles |  | $0^{\circ} \pm 2^{\circ}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | dr | J. SHREINER |  |  | 1/16/90 |  | $\mathrm{INCH} / \mathrm{MM}$ |  |  | product family QUICKIE |  |  |  |  |  |  | code |  |
|  |  |  |  |  |  | engr |  | SMYK |  |  |  |  |  |  |  |  | /90 | $\begin{gathered} \text { size } \\ A \\ \hline \end{gathered}$ | $\begin{array}{r} \text { dwg no } \\ 67916 \end{array}$ |  |  |  |  |  |
|  |  |  |  |  |  | chr |  | SMYK |  |  |  |  |  | /90 | $\begin{array}{r} \text { scale } \\ 5: 1 \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |  | sheet$1 \text { of } 20$ |  |
|  |  |  |  |  |  | appd | M. SMYK |  |  | 1/16/90 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sheet index |  | revision |  | E | E | E | E | E | E | E | E | E |  | E | E | E | E | E | E | E | E | E | E |  |  |
|  |  | sheet |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |  |  |



VIEW F-F


| mat'l. code |  |  |  | tolerances unless otherwise specified |  |  | $\begin{gathered} \text { CUSTOMER } \\ \text { COPY } \end{gathered}$ | FC |  | www.fciconnect.com |  |
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| Itrecn no <br> 1 |  | dr | date | linear | . $\mathrm{xx} \pm .01 / . x \pm .3$ |  |  |  |  |  |  |
| E |  |  |  |  | $\frac{. x x x \pm .005 / . x x \pm .13}{. x x x x \pm 002 / . x x x \pm 051}$ |  | projection ( 4 | title HEADER, QUICKIE |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | angles | $\frac{. x \times x \times \pm .00207 . x \times x \pm .051}{0^{\circ} \pm 2^{\circ}}$ |  |  | SEA, HORSE, RIGHT ANGLE |  |  |  |
|  |  |  |  | dr J. SHREINER |  | 1/16/90 | INCH/MM | product family QUICKIE |  |  | code |
|  |  |  |  | engr M. SMYK |  | 1/16/90 |  |  |  |  |  |  |  |
|  |  |  |  | chr | M. SMYK | 1/16/90 | scale ${ }^{\text {5 }}$ |  | $67916$ |  | sheet |
|  |  |  |  | appd | M. SMYK | 1/16/90 | 5:1 |  |  |  | 2 of 20 |
| $\begin{array}{\|l} \text { sheet } \\ \text { index } \end{array}$ | revision |  |  |  |  |  |  |  |  |  |  |
|  | sheet |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | PDM: Rev:E 3 |  |  | StatusReleased |  |  | Printed: Apr 12, $201{ }^{4}$ |  |

$1 \mid 2$


HEADER WITH LATCHES

$2 \times 8$ THRU $2 \times 30$
( $2 \times 10$ SHDWN
STYLE D

NOTES:
(1) RECOMMENDED MOUNTING SCREW SIZE: \#2-56 FILLISTER HD MACH SCREW.
(2) MOLDING MATERIAL: $30 \%$ GLASS FILLED POLYESTER, FLAME RETARDANT PER UL-94V-0, COLOR-BLUE
(3) PIN MAT'L: $3 / 4$ hard phos bronze alloy uns c-51000.
4. 1• MAX DRAFT PERMISSIBLE ON ALL SURFACES UNLESS OTHERWISE SPECIFIED.
(5) LOGO AND triangle location to be optional.
6. DIM B SHALL BE LOCATED SYMMETRICAL TO DATUM -Y-.
7. PLATING ON LEAD-IN PORTION OF PINS IS MANUFACTURING OPTION.
(8) these slots do not exist on $2 \times 5$ ANd $2 \times 7$ SIZes.
(9.) THE LATCHES THAT ARE INSTALLED IN SOME hEADERS MUST WITHSTAND A PUSHOUT FORCE OF 2.0 LBS MIN WHILE IN THE INSTALLATION POSITION.
10 . $040 \pm .003 / 1.02 \pm .08$ DIA. HOLE TYP FOR SQ PINS. . $035 \pm .003 / .89 \pm .08$ DIA HOLE TYP FOR ROUND PINS.

11 RETENTION FEATURE AVALLABLE ON ROUND PIN P/N"S ONLY. RETENTION PIN INCLUDE THE LETTER "R" AFTER THE EXISTING P/N.

EXAMPLE: 67916-XXX FOR EXISTING P/N
67916-XXXR FOR RETENTION P/N
15 LBS/6.8 KG MAX INSERTION AND . 25 LB/ . 1 KG MIN RETENTION FORCE WHEN USED IN .035土.003/.89土.08 DIA HOLES AND .062/1.57 THICK PC BOARD. RETENTION FEATURE LOCATION IS MANUFACTURERS OPTION.
10 . $040 \pm .003 / 1.02 \pm .08$ DIA. HOLE TYP FOR SQ PINS. . $035 \pm .003 / .89 \pm .08$ DIA HOLE TYP FOR ROUND PINS.
12. THE HOUSING OF XXXXX-XYYLF WILL WITHSTAND EXPOSUURE TO $260^{\circ} \mathrm{C}$ PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER PROCESS.
13. PLATING OPTION: MAYBE EITHER GLOD OR GXT PLATING AT MANUFACTURER'S OPTION



| 1 | 2 |
| :--- | :--- |













1| 2

| PRODUCT NO. | SIZE | LATCHES NOTE 9 | $\begin{aligned} & \text { PIN } \\ & \text { SHAPE } \end{aligned}$ | DIM A | DIM B | DIM C | DIM D | DIM E | TERMINAL PLATING NOTE 13 | STYLE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67916-469(LF) | 2×12 | STD | SQ | 1.96/49.78 | 1.100/27.94 | 1.420/36.07 | .105/2.67 | 1.56/39.62 | 150u"/3.81u TIN | D |
| -470(LF) |  | LP | SQ |  |  |  | .105/2.67 |  | 150u"/3.81u TIN |  |
| -471 (LF) |  | No | RND |  |  |  | .150/3.81 |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -472(LF) |  | STD |  |  |  |  |  |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -473(LF) |  | LP |  |  |  |  |  |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -474(LF) |  | NO |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u Ni |  |
| -475(LF) |  | STD |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u Ni |  |
| -476(LF) |  | LP |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u Ni |  |
| -477(LF) |  | NO |  |  |  |  |  |  | 30u"/.76u Gxt /GOLD FLASH |  |
| -478(LF) |  | STD |  |  |  |  |  |  | 30u'/.76u Gxt /GOLD FLASH |  |
| -479(LF) |  | LP | RND |  |  |  |  |  | 30u"/.76u 6xt /GOLD FLASH |  |
| -480(LF) |  | NO | SQ |  |  |  |  |  | 150u"/3.81u TIN |  |
| -481(LF) |  | STD |  |  |  |  |  |  | 150u"/3.81u TIN |  |
| -482(LF) |  | LP |  |  |  |  | .150/3.81 |  | 150u"/3.81u TIN |  |
| -483(LF) |  | No |  |  |  |  | .105/2.67 |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -484(LF) |  | STD |  |  |  |  |  |  | 15u"/.38u Au OVER 50u"/1.27u Ni |  |
| -485(LF) |  | LP |  |  |  |  |  |  | 15u"/.38u Au OVER 50u"/1.27u Ni |  |
| -486(LF) |  | NO |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u Ni |  |
| -487(LF) |  | STD |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u Ni |  |
| -488(LF) |  | LP |  |  |  |  | .105/2.67 |  | 30u"/.76u Au OVER 50U"/1.27u Ni |  |
| -489(LF) |  | NO |  |  |  |  | .150/3.81 |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -490(LF) |  | STD |  |  |  |  | .150/3.81 |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -491(LF) |  | LP |  |  |  |  | .150/3.81 |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -492(LF) |  | NO |  |  |  |  | .675/17.15 |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -493(LF) |  | STD |  |  |  |  |  |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -494(LF) |  | LP |  |  |  |  |  |  | 15u"/.38u Au OVER 50U"/1.27u Ni |  |
| -495(LF) |  | No |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u Ni |  |
| -496(LF) |  | STD |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u Ni |  |
| -497(LF) |  | LP |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u Ni |  |
| -498(LF) |  | No |  |  |  |  |  |  | 30u"/.76u GXT /GOLD FLASH |  |
| -499(LF) |  | STD |  |  |  |  |  |  | 30u"/.76u GXT /GOLD FLASH |  |
| -500(LF) |  | LP |  |  |  |  |  |  | 30u"/.76u Gxt /GOLD FLASH |  |
| -501(LF) |  | NO |  |  |  |  |  |  | 150u"/3.81u TIN |  |
| -502(LF) |  | STD |  |  |  |  |  |  | 150u"/3.81u TIN |  |
| , -503(LF) | 2×12 | LP | SQ | 1.96/49.78 | 1.100/27.94 | 1.420/36.07 | .675/17.15 | 1.56/39.62 | 150u"/3.81u TIN |  |
| 67916-504(LF) | 2×15 | NO | RND | 2.26/57.40 | 1.400/35.56 | 1.720/43.69 | .105/2.67 | 1.86/47.24 | 15u"/.38u Au OVER 50U"/1.27u Ni | D |


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| PRODUCT NO. | SIZE | LATCHES NOTE 9 | $\begin{aligned} & \text { PIN } \\ & \text { SHAPE } \end{aligned}$ | DIM A | DIM B | DIM C | DIM D | DIM E | TERMINAL PLATING NOTE 13 | STYLE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 67916-505 (LF) | 2×15 | STD | RND | 2.26/57.40 | 1.400/35.56 | 1.720/43.69 | .105/2.67 | 1.86/47.24 | 15u"/.38u Au OVER 50u"/1.27u | D |
| -506 (LF) |  | LP |  |  |  |  |  |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| -507 (LF) |  | No |  |  |  |  |  |  | 30u"/.76u Au OVER 50u"/1.27u |  |
| -508 (LF) |  | STD |  |  |  |  |  |  | 30u"/.76u Au OVER 50u"/1.27u |  |
| -509 (LF) |  | LP |  |  |  |  |  |  | 30u"/.76u Au OVER 50u"/1.27u |  |
| -510 (LF) |  | No |  |  |  |  |  |  | 30u"/.76u Gxt /GOLD FLASH |  |
| -511 (LF) |  | STD |  |  |  |  |  |  | 30u"/.76u Gxt /GOLD FLASH |  |
| -512 (LF) |  | LP | RND |  |  |  |  |  | 30u"/.76u Gxt /GOLD FLASH |  |
| -513 (LF) |  | NO | SQ |  |  |  |  |  | $150 u^{\prime \prime} 3.81 \mathrm{u}$ TIN |  |
| -514 (LF) |  | STD | SQ |  |  |  |  |  | $150 u^{\prime \prime} 3.814 \mathrm{TIN}$ |  |
| -515 (LF) |  | LP | SQ |  |  |  | .105/2.67 |  | 150u"/3.81u TiN |  |
| -516 (LF) |  | No | RND |  |  |  | .150/3.81 |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| -517 (LF) |  | STD |  |  |  |  |  |  | 15u"/.38u Au OVER 50U"/1.27u |  |
| -518 (LF) |  | LP |  |  |  |  |  |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| -519 (LF) |  | NO |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u N |  |
| -520 (LF) |  | STD |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u N |  |
| -521 (LF) |  | LP |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u N |  |
| -522 (LF) |  | No |  |  |  |  |  |  | 30u"/.76u GXT /GOLD FLASH |  |
| -523 (LF) |  | STD | , |  |  |  |  |  | 30u"/.76u Gxt /GOLD FLASH |  |
| -524 (LF) |  | LP | RND |  |  |  |  |  | 30u"/.76u Gxt /GOLD FLASH |  |
| -525 (LF) |  | No | SQ |  |  |  |  |  | 150u"/3.81u TiN |  |
| -526 (LF) |  | STD | , |  |  |  |  |  | 150u"/3.81u TiN |  |
| -527 (LF) |  | LP |  |  |  |  | .150/3.81 |  | 150u"/3.81u TiN |  |
| -528 (LF) |  | NO |  |  |  |  | .105/2.67 |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| -529 (LF) |  | STD |  |  |  |  |  |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| -530 (LF) |  | LP |  |  |  |  |  |  | 15u"/.38u Au OVER 50U"/1.27u |  |
| -531 (LF) |  | No |  |  |  |  |  |  | 30u"/.76u Au OVER 50u"/1.27u |  |
| -532 (LF) |  | STD |  |  |  |  |  |  | 30u"/.76u Au OVER 50U"/1.27u N |  |
| -533 (LF) |  | LP |  |  |  |  | .105/2.67 |  | 30u"/.76u Au OVER 50u"/1.27u |  |
| -534 (LF) |  | No |  |  |  |  | .150/3.81 |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| -535 (LF) |  | STD |  |  |  |  | .150/3.81 |  | 15u"/.38u Au OVER 50U"/1.27u |  |
| -536 (LF) |  | LP |  |  |  |  | .150/3.81 |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| -537 (LF) |  | No |  |  |  |  | .675/17.15 |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| -538 (LF) |  | STD |  |  |  |  |  |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| -539 (LF) |  | LP |  |  |  |  |  |  | 15u"/.38u Au OVER 50u"/1.27u |  |
| 67916-540 (LF) | 2×15 | No | SQ | 2.26/57.40 | 1.400/35.56 | 1.720/43.69 | .675/17.15 | 1.86/47.24 | 30u"/.76u Au OVER 50U"/1.27u N | D |


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| ltr | ecn |  | dr | date | linear | . $\mathrm{XX} \mathrm{ \pm} \pm .01 / \mathrm{x} \pm .3$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E |  |  |  |  |  | $\frac{. X X X \pm .005 / . X X \pm .13}{. X X X X \pm .0020 / . X X X \pm .051}$ |  |  |  |  | projection |  |  | title HEADER, QUICKIE SEA, HORSE, RIGHT ANGLE |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | angles |  | $0^{*} \pm 2^{*}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | dr |  | SHREINE |  | 7/1 | 16/90 | INCH/MM |  |  | product family |  |  | QUICKIE |  |  |  | code |  |
|  |  |  |  |  | engr |  | SMYK |  | 7/1 | 16/90 |  |  |  | $\begin{gathered} \text { size } \\ \text { A } \end{gathered}$ | $\begin{array}{r} \text { dwg no } \\ 67916 \end{array}$ |  |  |  |  |  |  |  |
|  |  |  |  |  | chr |  | SMYK |  | 7/1 | 16/90 | $\begin{array}{r} \text { scale } \\ 5: 1 \end{array}$ |  |  |  |  |  |  |  |  |  | sheet |  |
|  |  |  |  |  | appd |  | SMYK |  | 7/1 | 16/90 |  |  |  | 18 of |  |  |  |  |  |  | of 20 |
| sheet <br> index |  | revision |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | sheet |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |




