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| LOC | DIST | REVISIONS | | | |
|-----|------|-------------|---------------------------|---------|--------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| AF | 50 | B | REVISED PER ECR-07-006768 | 05APR07 | HMR GJ |

- DIMENSIONS SPECIFIED MAY VARY PER CUSTOMER APPLICATION, DO NOT TOOL WITHOUT TYCO ELECTRONICS REVIEW AND APPROVAL.
- TYCO ELECTRONICS REQUIRES THE FOLLOWING INFORMATION IN ORDER TO APPROVE THE CUSTOMERS APPLICATION DRAWING MAGNET WIRE RANGE, LEAD WIRE RANGE AND INSULATION THICKNESS.
- MAGNET WIRE COIL MUST NOT EXCEED HEIGHT OF MAGNET WIRE SLOT AS SHOWN UNLESS PROVISIONS ARE MADE TO KEEP "FINISH" WIRE FLAT AGAINST BASE OF WIRE SLOT.
- MATERIAL RECOMMENDED: NYLON 6/6 AND NYLON 6/6 30% GLASS FILLED. OTHER MATERIALS ARE ACCEPTABLE HOWEVER, CONSULT TYCO ELECTRONICS FOR SPECIFICATIONS.
- 30 AWG. (ϕ .01 [0.26]) WIRE AND FINER REQUIRES WIRE WRAP POST INSTEAD OF TRIM POST. SEE SPEC. DRW. #1601447.
- MUST MAINTAIN SLOT THICKNESS (.0235) [0.60] INCLUDING DRAFT ANGLE FROM BOTTOM OF POCKET TO .015[0.38] MINIMUM ABOVE BASE OF WIRE SLOT. (.029[0.74] MAX.THICKNESS AT TOP).
- WHENEVER POSSIBLE, POCKET PITCH TO MATCH TERMINAL PITCH. MINIMUM PITCH TO BE .197 [5.00].
- .060 [1.52] MIN. WALL THICKNESS RECOMMENDED ON TRIM POST SIDE WHEN WIRE TRIMMING IS REQUIRED.
- SIZE THIS SLOT FOR LARGEST WIRE DIA. CONSULT MOLD VENDOR IF SMALLER THAN .020 [0.51] IS TO BE SPECIFIED.
- REFER TO TABLE. CONSULT TYCO ELECTRONICS IF WIRE SIZE TO BE USED, OVERLAP THE RANGES SHOWN.
- SLOT DEPTH DIMENSIONS ARE FOR CONNECTING ONE MAGNET WIRE WITH A MOVING BEAM SIAMEZE CONTACT. CONSULT TYCO ELECTRONICS FOR BIFILAR (2 WIRE) CONNECTIONS.

.060 [1.52] MIN. OUTER SIDE WALLS

WRAP POST 5

TRIM POST 5

.030 [0.76]

.220 ±.003 [5.59±0.08] PITCH RECOMMENDED 7

.156 ±.003 [3.96±0.08] -A-

MAGNET WIRE SLOT 9
 ϕ .005 [0.13] M AM

15° TYP.

.025 [0.63]

SLOT DEPTH "X" 3 10

.230 [5.84]

R .015 [.38] TYP

.040 [1.02] MIN.

.050 [1.27]

FULL RADIUS (BASE OF WIRE SLOT)

.070 [1.78]

.040 [1.02] MIN. TYP 8

.0235 ±.0015 [0.60±0.04] 6

15°

.003 [0.08] R. MAX

WIND HEIGHT 3

| MAGNET WIRE SIZE AWG [mm DIA] | SLOT DEPTH "X" ±.003 [±0.08] 11 |
|-------------------------------|---------------------------------|
| #18-#21.5 [1.02-0.69] | .135 [3.43] |
| #22-#25.5 [0.65-0.43] | .123 [3.12] |
| #26-#29.5 [0.41-0.27] | .115 [2.92] |
| #30-#33.5 [0.25-0.17] | .110 [2.79] |
| #34-#36 [0.16-0.13] | .107 [2.72] |

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| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN 05APR2002 MICHAEL S. FEHER | Tyco Electronics Corporation Harrisburg, Pa 17105-3608 | |
| DIMENSIONS: INCHES | | CHK 05APR2002 GENE JACONO | NAME KURT A. RANDOLPH | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD 05APR2002 KURT A. RANDOLPH | PRODUCT SPEC | |
| 0 PLC ± - | | APPLICATION SPEC | | |
| 1 PLC ± - | | 114-13166 | | |
| 2 PLC ± .01 [0.25] | | WEIGHT - | | |
| 3 PLC ± .005 [0.13] | | SIZE A2 | | |
| 4 PLC ± .0010 [0.026] | | CAGE CODE 00779 | | |
| ANGLES ± 2° | | DRAWING NO C=1601424 | | |
| FINISH - | | RESTRICTED TO - | | |
| MATERIAL 4 | | SCALE 4:1 SHEET 1 OF 1 REV B | | |
| CUSTOMER DRAWING | | | | |

AMP 1471-9 REV 31MAR2000