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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 DRAWINGS, 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. ( $\phi$  .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. (.028[0.71] 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.
- FOR BUSSED TAB SIAMEZE TERMINALS A BUSSED TAB POCKET PER DRAWING #1601426 MAY BE REQUIRED. CUSTOMER SHOULD CONSULT TYCO ELECTRONICS FOR EACH PARTICULAR APPLICATION.
- 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]

TERMINAL PITCH  $\pm$  .003 [0.08] 7

.156  $\pm$  .003 [3.96  $\pm$  .08] -A-

MAGNET WIRE SLOT 10  
 $\oplus$  .005 [0.13] M AM

15' TYP.

SLOT DEPTH 3 11

.040 [1.02]

.340 [8.64]

.050 [1.27]

.070 [1.78]

R.015 TYP. [.38]

.040 [1.02] MIN.

SECTION A-A

SECTION B-B

FULL RADIUS (BASE OF WIRE SLOT)

.040 [1.02] MIN. TYP 8

.0235  $\pm$  .0015 [0.60  $\pm$  0.04] 6

15'

.003 [0.08] R. MAX.

WIND HEIGHT 3

SECTION B-B

MAGNET WIRE SIZE AWG [mm DIA]	SLOT DEPTH "X" $\pm$ .003 [ $\pm$ 0.08] 12
#18-#21.5 [1.02-0.69]	.245 [6.22]
#22-#25.5 [0.65-0.43]	.233 [5.92]
#26-#29.5 [0.41-0.27]	.225 [5.72]
#30-#33.5 [0.25-0.17]	.220 [5.59]
#34-#36 [0.16-0.13]	.217 [5.51]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 05APR2002 MICHAEL S. FEHER	<b>tyco</b> 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 $\pm$ -		APPLICATION SPEC		
1 PLC $\pm$ -		114-13166		
2 PLC $\pm$ .01 [0.25]		WEIGHT -		
3 PLC $\pm$ .005 [0.13]		SIZE A2 CAGE CODE 00779 C=1601425		
4 PLC $\pm$ .0010 [0.026]		DRAWING NO 1601425		
ANGLES $\pm$ 2°		RESTRICTED TO -		
FINISH -		SCALE 4:1 SHEET 1 OF 1 REV B		
MATERIAL 4		CUSTOMER DRAWING		

AMP 1471-9 REV 31MAR2000

1601425

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