



1. DIMENSIONS SPECIFIED MAY VARY PER CUSTOMER APPLICATION, DO NOT TOOL WITHOUT TYCO ELECTRONICS REVIEW AND APPROVAL.
2. TYCO ELECTRONICS REQUIRES THE FOLLOWING INFORMATION IN ORDER TO APPROVE THE CUSTOMERS APPLICATION DRAWING: MAGNET WIRE RANGE, LEAD WIRE RANGE AND INSULATION THICKNESS.
3. 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.
4. MATERIAL RECOMMENDED: NYLON 6/6, AND NYLON 6/6 30% GLASS FILLED OTHER MATERIALS ARE ACCEPTABLE HOWEVER, CONSULT TYCO ELECTRONICS FOR SPECIFICATIONS.
5. 30 AWG. (Ø .01 [0.26]) WIRE AND FINER REQUIRES WIRE POST WRAP. SEE SPEC. DRW. #1601447.
6. 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).
7. WHENEVER POSSIBLE, POCKET PITCH TO MATCH TERMINAL PITCH. MINIMUM PITCH TO BE .197 [5.00].
8. .060 [1.52] MIN. WALL THICKNESS RECOMMENDED ON TRIM POST SIDE WHEN WIRE TRIMMING IS REQUIRED.
9. SIZE THIS SLOT FOR LARGEST WIRE DIA. CONSULT MOLD VENDOR IF SMALLER THAN .020 [0.51] IS TO BE SPECIFIED.
10. REFER TO TABLE. CONSULT TYCO ELECTRONICS IF WIRE SIZE TO BE USED, OVERLAP THE RANGES SHOWN.
11. SLOT DEPTH DIMENSIONS ARE FOR CONNECTING ONE MAGNET WIRE WITH A MOVING BEAM SIAMEZE CONTACT. CONSULT TYCO ELECTRONICS FOR BIFILAR ( 2 WIRE ) CONNECTIONS.

MAGNET WIRE SIZE AWG [mm DIA]	SLOT DEPTH "X" ±.003 [±0.08]
#18-#21.5 [1.02-0.69]	.175 [4.45]
#22-#25.5 [0.65-0.43]	.163 [4.14]
#26-#29.5 [0.41-0.27]	.155 [3.94]
#30-#33.5 [0.25-0.17]	.150 [3.81]
#34-#36 [0.16-0.13]	.147 [3.73]

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN  
MICHAEL .S. FEHER  
CHK  
GENE JACONO  
APVD  
KURT A. RANDOLPH  
PRODUCT SPEC

25MAR2002  
25MAR2002  
25MAR2002

DIMENSIONS:  
INCHES

0 PLC ± -  
1 PLC ± -  
2 PLC ± .01 [0.25]  
3 PLC ± .005 [0.13]  
4 PLC ± .0010 [0.026]  
ANGLES ± 2°

FINISH  
-

MATERIAL  
-

4

APPLICATION SPEC  
408-8629

WEIGHT  
-

CUSTOMER DRAWING

**tyco**  
**Electronics**

Tyco Electronics Corporation  
Harrisburg, Pa 17105-3608

NAME  
SIAMEZE POCKET  
SPECIFICATION

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
C=1601427

RESTRICTED TO  
-

SCALE  
6:1

SHEET  
1 OF 1

REV  
A

AMP 1471-9 REV 31MAR2000