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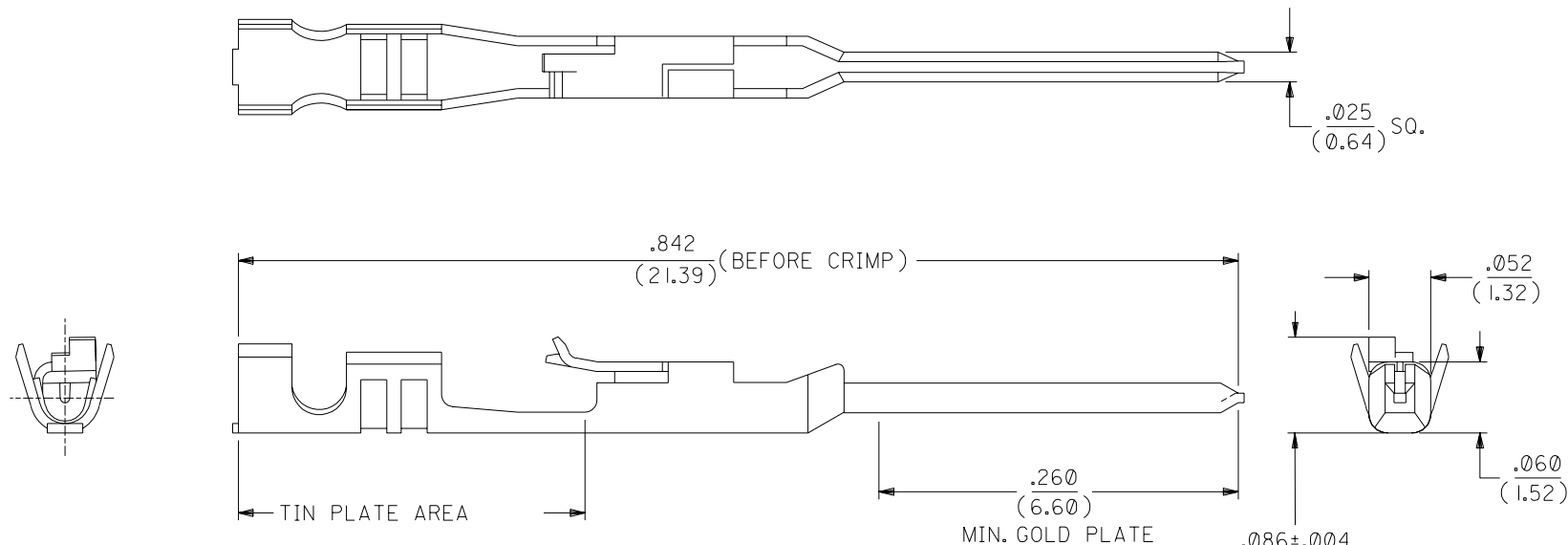
### What is "[Embedded - Microcontrollers](#)"?

"[Embedded - Microcontrollers](#)" refer to small, integrated circuits designed to perform specific tasks within larger systems. These microcontrollers are essentially compact computers on a single chip, containing a processor core, memory, and programmable input/output peripherals. They are called "embedded" because they are embedded within electronic devices to control various functions, rather than serving as standalone computers. Microcontrollers are crucial in modern electronics, providing the intelligence and control needed for a wide range of applications.

### Applications of "[Embedded - Microcontrollers](#)"

#### Details

Product Status	Obsolete
Core Processor	8051
Core Size	8-Bit
Speed	25MHz
Connectivity	SMBus (2-Wire/I <sup>2</sup> C), UART/USART
Peripherals	POR, PWM, WDT
Number of I/O	8
Program Memory Size	2KB (2K x 8)
Program Memory Type	OTP
EEPROM Size	-
RAM Size	256 x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V
Data Converters	-
Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount
Package / Case	14-SOIC (0.154", 3.90mm Width)
Supplier Device Package	14-SOIC
Purchase URL	<a href="https://www.e-xfl.com/product-detail/silicon-labs/c8051t605-gs">https://www.e-xfl.com/product-detail/silicon-labs/c8051t605-gs</a>



## NOTES:

1. TERMINAL FOR USE WITH HOUSING PART NO. 70066-\*\*\*\* & 70107-\*\*\*\*.
2. MATERIAL: .008/(0.20) THK. PHOSPHOR BRONZE.
3. TERMINAL TO BE USED WITH 22-24 AWG STRANDED WIRE WITH .064 DIA. MAX. INSULATION.
4. REFER TO MOLEX OPERATIONAL AND SERVICE MANUAL FOR DETAILS.
5. REFER TO PRODUCT SPECIFICATION NO. PS-70021.
6. PARTS SUPPLIED LOOSE PER DRAWING PK-70873-0822.

## PLATING:

.000030 GOLD PLATE IN SELECT AREA.  
.000075 MIN. TIN PLATE IN SELECT AREA.  
OVER NICKEL PLATE.

\*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO  
RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC".  
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

E	LEAD FREE UCP2004-1769 RWHITE 04/03/15
D2	REVISED PER ECR #U80270 MCGRATH 97/07/31
D1	REVISED PER ECR #U70928 MCGRATH 97/06/26
D	REVISED PLTG. SPEC. PER ECR # U31149 08/19/93 REED
C	REVISED PER ECR# U82220 11-07-88 MJM/MGB
B	REDRAWN ON CAD PER E.C.R. #9509 11/10/86 WJF/MJM

MFG.	SH.	REV.	LTR.	REVISIONS
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DIMENSIONS SHOWN (METRIC) INCH		▽ = 0 ▼ = 0		REVISE ONLY ON CAD SYSTEM	
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°					
		TITLE			
		TERMINAL, MALE CRIMP			
		MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.		SHEET NO. 1	DATE 10/30/86
		PART NO. 16-02-0117		DRWG. NO. SD-70021-0225	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			
DRWG. BY WJF	CHK'D. BY MJM	FILE NAME S70021X26 DGN	DIV. DA	SIZE B	