

DMC5100: the controller in PenMount 5184 control board

DMC5100 is a set of USB interface touch screen controller in the PenMount family.

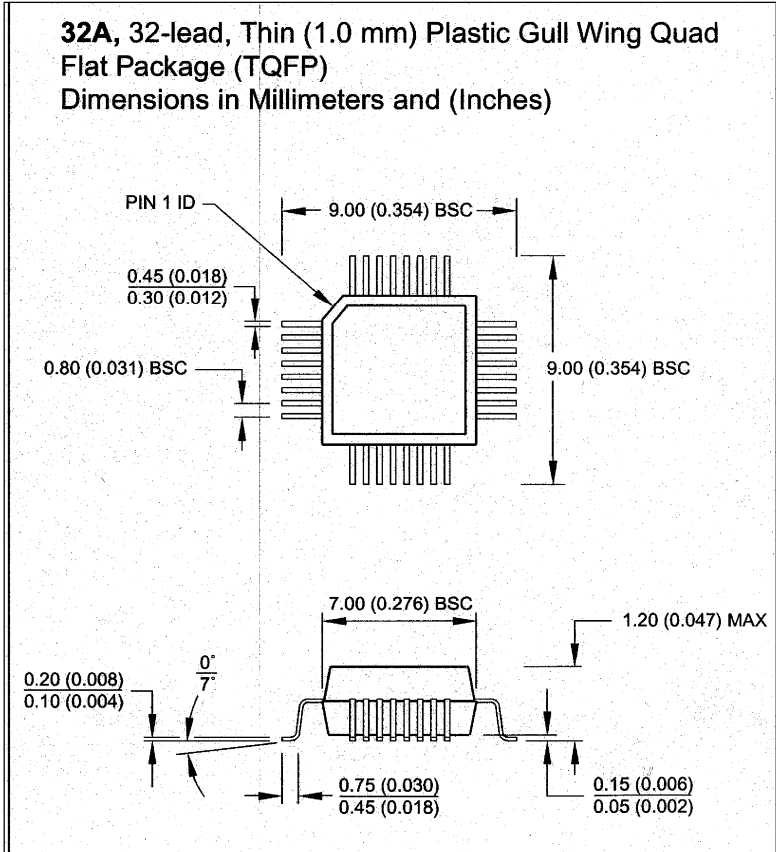
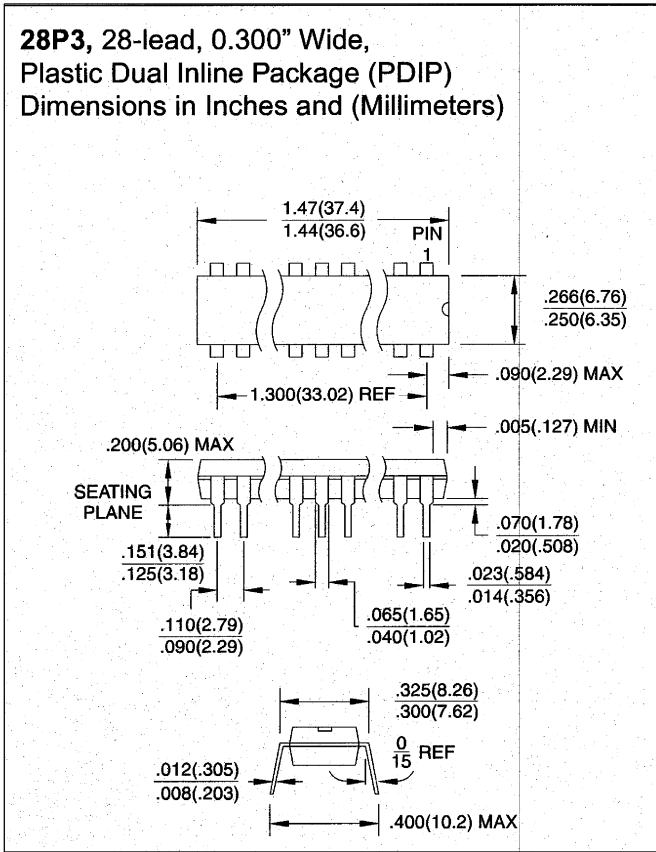
The DMC5100 role-playing in PenMount touch screen kits is:

- to read analog signal from touch panel and transforms it into digital signal by ADC
- to construct packet according to PenMount's protocol
- to send signal using SPI interface to USB microcontroller

DMC5100 touch screen controller

- High-performance and Low-power AVR R 8-bit RISC Architecture
 - 118 Powerful Instructions - Most Single Cycle Execution
 - 32 x 8 General Purpose Working Registers
 - Up to 8 MIPS Throughput at 8 MHz
- Low-power, High-speed CMOS Process Technology
- Fully Static Operation
- Power Consumption at 4 MHz, 3V, 25°C
 - Active: 3.4 mA - Idle Mode: 1.4 mA - Power Down Mode: <1 µA
- I/O and Packages
 - 20 Programmable I/O Lines - 28-pin PDIP and 32-pin TQFP
- Operating Voltage
 - 4.0V - 6.0V

Packaging Information



Driver Software

Windows 98/Me, Windows 2000/XP, Linux and Windows CE

1070.0031	PenMount CHIP 5100 in TQFP-32pin package, USB V1.1
1070.0032	PenMount CHIP 5100 in DIP-28pin package, USB V1.1

				2002	Datum	Name	Bezeichnung Controller IC			
				Erst.	19.11.	Hirt	Typenbez. DMC5100: USB Interface			
				Gepr.	19.11.	Maurer				
				Norm						
				Maße ohne Toleranzangabe		Maßstab 1 : 1	Werkstoff s. Stüli.	Oberfläche	WZ.-Nr. -	
				bis 300 = ± 0.2 über 300 = ± 0.3					Baugr. -	
				 SCHURTER D-79346 Endingen				1070.0031/.0032		a
a	-----	06.02.03	Hi/Hi							
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SCHURTER
D-79346 Endingen

1070.0031/.0032
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DMC5600: the controller in PenMount 5184 control board

DMC5600 is a set of USB interface touch screen controller in the PenMount family.
The DMC5600 role-playing in PenMount touch screen kits is:

- to be the USB controller in "device" mode
- to send signal using SPI interface to USB microcontroller

DMC5600 USB controller chipset

- 8-bit RISC microcontroller
 - Harvard architecture
 - 6 MHz external ceramic resonator or crystal
 - 12 MHz internal operation
 - USB optimized instruction set
- Instant-On Now for Suspend and Periodic Wake-up Modes
- Improved output drivers to reduce EMI
- Operating voltage from 4.0V to 5.25V DC
- Operating temperature from 0°C to 70°C
- Available in space saving 20-pin PDIP and other small packages

Driver Software

Windows 98/Me, Windows 2000/XP,
Linux and Windows CE

							1070.0033	PenMount CHIP 5600 in SOIC package, USB V1.1		
							1070.0034	PenMount CHIP 5600 in PDIP-20pin package, USB V1.1		
				2002	Datum	Name	Bezeichnung	Controller IC		
				Erst.	12.11.	Hirt				
				Gepr.	12.11.	Maurer				
				Norm			Typenbez.	DMC5600: USB Interface		
				Maße ohne Toleranzangabe		Maßstab 1 : 1	Werkstoff siehe Stüli.	Oberfläche	WZ.-Nr. _	
				bis 300 = ± 0.2	über 300 = ± 0.3				Baugr. _	
a	-----	06.02.03	Hi/Hi	 SCHURTER D-79346 Endingen			1070.0033/.0034		a	
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