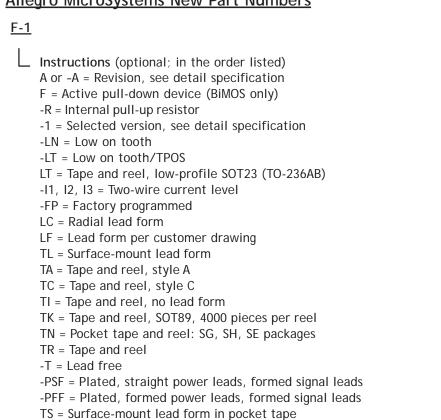
## IC Part Numbering System

## Allegro MicroSystems New Part Numbers

<u>A</u>	<u>1234</u>	E	<u>A</u>	<u>F-1</u>	
				L Instructions (see next page)	
			L	Package Designation	
				A = Dual in-line (MS-001, MS-010, MS-011) B = Dual in-line with heat-sink semi-tabs (MS-001, MS-010)	
				CA = Current sensor, plated power lead frame (130 uOhm resistance)	
				CB = Current sensor, plated power lead frame (100 uOhm resistance)	
				EA = Sq. J-leaded chip carrier with 1 heat-sink semi-tab (MS-018)	
				EB = Sq. J-leaded chip carrier with 2 heat-sink semi-tabs (MS-018)	
				ED = Sq. J-leaded chip carrier with 4 heat-sink semi-tabs (MS-018)	
				EF = Current-sensing, leadless 1.27 mm pitch, dual very-thin chip carrier	
				EH = Rectangular leadless (exposed pad) 0.50 mm pitch, dual very-very-thin chip carrier (MO-229) EK = Square leadless (exposed pad) 0.95 mm pitch, dual very-very-thin chip carrier (MO-229)	
				EP = Sq. J-leaded chip carrier (MO-047, MS-007, MS-018)	
				EQ = Rect. J-leaded chip carrier (MS-016)	
				JP = Low-profile QFP (exposed pad) (MS-026)	
				JT = Low-profile QFP with gull-wing leads (MS-026)	
				K = Mini-SIP, four leads	
				KA = Mini-SIP, five leads KB = Mini-SIP, three leads	
				KC = Mini-SIP, three leads	
				L = Narrow-body SOIC (MS-012)	
				LB = Wide-body SOIC with heat-sink semi-tabs (MS-013)	
				LD = TSSOP, 0.50 mm pitch (MO-153)	
				LE = TSSOP, 0.65 mm pitch (MO-153)	
				LH = Low-profile, three-terminal surface mount (SOT23W) LM = Low-profile, five-terminal surface mount	
				LP = TSSOP (exposed pad), 0.65 mm pitch (MO-153)	
				LQ = SOP, 0.80  mm pitch	
				LT = SOT, three leads (SOT89/TO-243AA)	
				LU = SOT, six leads (similar to SOT89)	
				LW = Wide-body SOIC (MS-013)	
				LZ = Narrow-body TSSOP, 0.50 mm pitch M = Eight-pin mini-DIP (MS-001BA)	
				SA = Module, 9 mm length	
				SB = Module, 7 mm length	
				SE = Module	
				SG = Module	
				SH = Module, two-wire U = Three-lead mini-SIP (not for new design)	
				UA = Three-lead short, thin mini-SIP	
			0		
				rating Temperature Range Commercial (0°C to +70°C)	
				Standard (-20°C to +85°C)	
				Extended automotive/industrial (-40°C to +85°C)	
				Extended automotive/industrial (-40°C to +95°C) Extended industrial (-40°C to +105°C)	
				Extended industrial/military (-40°C to +125°C or +135°C)	
				Automotive/military (-40°C to +150°C)	
		Device Type (four digits)			
	Allegro MicroSystems Identifier (the letter 'A')				
	ATS = Allegro geartooth sensor module				

ACS = Allegro current sensor



## Original Sprague Semiconductor Group Part Numbers

