
INTELLIGENTE ANZEIGEN

INTELLIGENT DISPLAYS



EIGENSCHAFTEN

Einzelbausteine

Intelligente Anzeigen sind alphanumerische LED Displays mit eingebautem CMOS-Schaltkreis. Sie sind völlig unabhängige, anwenderfreundliche Peripheriebausteine, die eine große Vielfalt von Gestaltungsmöglichkeiten zulassen, Entwicklungszeit einsparen und -kosten reduzieren.

- ASCII-Zeichensatz für 128 und 256 Zeichen, oder
- Frei programmierbarer Zeichensatz
- Helle, kontraststarke LED-Technologie
- TTL-kompatibel, CMOS-Logik
- Betrieb mit 5 V Versorgungsspannung
- Sehr hohe Lebenserwartung
- Kompatibel zu Microcomputer-Systemen
- Zugriffszeit von 45 ns bis 525 ns
- Direkter, unabhängiger Zugriff auf jede Stelle
- Sehr kompakte, flache Gehäuse
- Einfach aneinanderreihbar für erweiterte Textlängen
- Helligkeitscode für gleichmäßig leuchtende Anzeige

EINBAUHINWEISE

Handhabung

ESD-Vorsichtsmaßnahmen sind zu beachten

- Vermeiden Sie, Anschlüsse zu berühren. Fassen Sie nur am Gehäuse an.
- Transportieren Sie die Bausteine nur in antistatischen Schienen oder auf leitendem Material.
- Die Arbeitsumgebung muß leitend geerdet sein (leitender Fußboden, leitende Arbeitstische, individuelle Handgelenk-Ableitbänder, usw.)

Löten

- Max. Löttemperatur: 260 °C
- Max. Lötzeit: 5 s
- Min. Lötabstand: > 1,59 mm

Bei Wellenlötbadern darf die Gehäusetemperatur die max. Betriebstemperatur nicht überschreiten.

Es muß wasserlösliches bzw. alkoholfreies Flußmittel verwendet werden.

Lösungsmittel

Zum Reinigen der Platinen keine alkoholhaltigen Lösungsmittel benutzen.

FEATURES

Display devices

Intelligent displays are alphanumeric LED displays with built-in CMOS circuits. They are totally self-contained peripherals which allow a wide variety of design configurations, minimize design time and reduce design costs.

- ASCII character set for 128 and 256 characters, or
- User definable characters
- Bright, high-contrast LED technology
- TTL-compatible, CMOS logic
- 5 V operation
- Very high life expectancy
- Compatible with microprocessor systems
- Access time from 45 ns up to 525 ns
- Independent access to each digit
- Highly compact, flat packages
- Easily stackable for longer message lengths
- Intensity coded for display uniformity

MOUNTING INSTRUCTIONS

Handling

Observe ESD precautions

- Avoid touching the pins; handle the body only.
- Keep the devices in anti-static tubes or conductive material when transporting
- Use a conductive and grounded work area (conductive flooring, conductive work benches, individual wrist straps, etc.)

Soldering

- Max. soldering temperature: 260 °C
- Max. soldering time: 5 s
- Min. solder distance: > 1.59 mm below the seating plane

In case of wave soldering, the package temperature of intelligent displays is not allowed to exceed the max. operating temperature.

It is necessary to use water soluble or alcohol-free soldering flux.

Solvents

Do not use any cleaning solvents containing alcohol.

CERAMIC HI-REL INTELLIGENT DISPLAYS

Packages	Type/ Color	# of characters	Character height [mm]	Package size [mm]	Interface type	Viewing angle x-/y-axis	# of dots per character	Temperature range	Features	Order Code	Figure
	IPD 2131 yellow	8	4.85	42.7 x 9.9	Parallel		35 (5 x 7)	Operating -55 to +100 °C Storage -65 to +125 °C	- Built-in CMOS decoder, multiplexer, memory, and driver, 128 character ASCII character ROM, 16 user definable characters, - Rugged ceramic package, hermetically sealed flat glass lens.	Q68000A8904	10
	IPD 2132 super Red									Q68000A8836	
	IPD 2134 HEG*									Q68000A8906	

8-digit Ceramic Hi-Rel Intelligent Display

	ISD 2351 yellow	4	4.88	20.07 x 8.43	Serial shift register		35 (5 x 7)	Operating -55 to +100 °C Storage -65 to +125 °C	- Sunlight viewable, - Serial input. Easily cascaded for multiple displays. - Built-in low power CMOS shift register and constant current LED row drivers. - External column strobing allows use of standard and custom alphanumeric fonts. - Rugged ceramic package, hermetically sealed flat glass lens.	Q68000A8142	11
	ISD 2352 super-red									Q68000A8143	
	ISD 2353 HEG*									Q68000A8144	
	ISD 2010 hyper red	4	3.7	17.7 x 7.87	Serial shift register		35 (5 x 7)	Operating -55 to +100 °C Storage -65 to +125 °C	- Serial input. Easily cascaded for multiple displays. - Built-in low power CMOS shift register and constant current LED row drivers. - External column strobing allows use of standard and custom alphanumeric fonts. - Rugged ceramic package, hermetically sealed flat glass lens.	Q68000A8134	12
	ISD 2011 yellow									Q68000A8135	
	ISD 2012 super red									Q68000A8136	
	ISD 2013 HEG*									Q68000A8137	
	ISD 2310 hyper red	4	4.88	20.07 x 8.43	Serial shift register		35 (5 x 7)	Operating -55 to +100 °C Storage -65 to +125 °C	- Serial input. Easily cascaded for multiple displays. - Built-in low power CMOS shift register and constant current LED row drivers. - External column strobing allows use of standard and custom alphanumeric fonts. - Rugged ceramic package, hermetically sealed flat glass lens.	Q68000A8138	13
	ISD 2311 yellow									Q68000A8139	
	ISD 2312 super red									Q68000A8140	
	ISD 2313 HEG*									Q68000A8141	
	IPD 2545 A super red	4	6.4	30.48 x 12.45	Parallel		35 (5 x 7)	Operating -55 to +100 °C Storage -65 to +125 °C	- Built-in CMOS decoder, multiplexer, memory and driver, 128 ASCII character ROM, - Rugged ceramic package, hermetically sealed flat glass lens.	Q68000A9883	14
	IPD 2547 A HEG*									Q68000A9884	

* HEG = high efficiency green

10-DIGIT PLASTIC PACKAGE INTELLIGENT DISPLAY

Packages	Type/ Color	#. of characters	Character height [mm]	Package size [mm]	Interface type	Viewing angle x-/y-axis	# of dots per character	Temperature range	Features	Order Code	Figure
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10-digit Slimline 5X5 Intelligent Display

	SCD 55100 A hyper red	10	3.68	38.1 x 3.68	Serial	±50/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	• Optimum display surface efficiency, • Lower Power - 30% less than 5X7 dot matrix, • High speed serial data input - 5MHz, • Readable from 6 feet (1.8 meters), • Attributes: – 250 bit RAM for user definable characters – Eight dimming levels, – Power down mode (<250 µW), – Hardware/software CLEAR function, – Lamp test. • Internal or external mux clock.	Q68000A8635	9
	SCD 55101A yellow									Q68000A8636	
	SCD 55102 A super-red									Q68000A8637	
	SCD 55103 A green									Q68000A8638	
	SCD 55104 A HEG*									Q68000A8639	

* HEG = high efficiency green

8-DIGIT PLASTIC PACKAGE INTELLIGENT DISPLAYS

Packages	Type/ Color	#. of characters	Character height [mm]	Package size [mm]	Interface type	Viewing angle x-/y-axis	# of dots per character	Temperature range	Features	Order Code	Figure
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8-digit wide body 5X7 Intelligent Display

	HDSP 2110S hyper red	8	5.1	42.67 x 19.58	Parallel	±55/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Built-in CMOS decoder, multiplexer, memory and driver, 128 ASCII character ROM, 16 user definable characters,	Q68000A8560	22
	HDSP 2111S yellow									Q68000A8561	
	HDSP 2112S super red									Q68000A8562	
	HDSP 2113S green									Q68000A8563	
	HDSP 2114S HEG*									Q68000A8564	
	HDSP 2115S orange									Q68000A8907	
	PDSP 2110 Hyper red	8	5.1	42.67 x 19.58	Parallel	±55/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Built-in CMOS decoder, multiplexer, memory and driver, 256 ASCII character ROM,	Q68000A8474	22
	PDSP 2111 yellow									Q68000A8503	
	PDSP 2112 super red									Q68000A8504	
	PDSP 2113 green									Q68000A8505	
	PDSP 2114 HEG*									Q68000A8533	

8-digit 5X7 Slimline Intelligent Display

	PDSP 1880 hyper red	8	4.7	42.93 x 4.57	Parallel	±55/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Built-in CMOS decoder, multiplexer, memory and driver, 128 ASCII character ROM, 16 user definable characters,	Q68000A9105	7
	PDSP 1881 yellow									Q68000A9106	
	PDSP 1882 super red									Q68000A9107	
	PDSP 1883 green									Q68000A9108	
	PDSP 1884 HEG*									Q68000A9109	
	SCE 5780 hyper red	8	4.7	42.93 x 4.57	Parallel	±55/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial Input, Dot Addressable Display. Ideal for User Defined Characters - Built-in Decoders, Multiplexers and LED Drivers - Readable from 8 Feet (2.5 meters) - Programmable Features: - Clear Function - Eight Dimming Levels - Peak Current Select (12.5% or Full Peak Current) - Prescaler Function (External Oscillator Divided by 16 or 1) - Internal or External Clock.	Q68000A9100	6
	SCE 5781 yellow									Q68000A9101	
	SCE 5782 super red									Q68000A9102	
	SCE 5783 green									Q68000A9103	
	SCE 5784 HEG*									Q68000A9104	
	SCE 5786 InGaAlP									Q68100A1435	

* HEG = high efficiency green

8-DIGIT PLASTIC PACKAGE INTELLIGENT DISPLAYS

Packages	Type/ Color	#. of characters	Character height [mm]	Package size [mm]	Interface type	Viewing angle x-/y-axis	# of dots per character	Temperature range	Features	Order Code	Figure
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8-digit Slimline 5X5 Intelligent Display

	SCD 5580A hyper red	8	3.68	38.1 x 3.68	Serial	±50/ ±65 deg.	25 (5 x 5)	Operating -40 to +85 °C Storage -40 to +100 °C	• Optimum display surface efficiency, • Lower Power - 30% less than 5X7 dot matrix, • High speed serial data input - 5MHz, • Readable from 6 feet (1.8 meters), • Attributes: – 200-bit RAM for user definable characters – Eight dimming levels, – Power down	Q68100A0994	8
	SCD 5581A yellow									Q68100A0996	
	SCD 5582A super red									Q68100A0997	
	SCD 5583A green									Q68100A0998	
	SCD 5584A HEG*									Q68100A1000	

* HEG = high efficiency green

4-DIGIT PLASTIC PACKAGE INTELLIGENT DISPLAYS

Packages	Type/ Color	#. of characters	Character height [mm]	Package size [mm]	Interface type	Viewing angle x-/y-axis	# of dots per character	Temperature range	Features	Order Code	Figure
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4-digit wide body 5X7 Intelligent Displays

	PD 2435 super red	4	5.1	25.4 x 17.78	Parallel	±55/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Built-in CMOS decoder, multiplexer, memory and driver, 128 ASCII character ROM. 3 dimming levels plus blank - Blinking cursor, character, lamp test functions - Internal or external mux clock. - End stackable.	Q68000A3561	19
	PD 2436 hyper red									Q68000A8366	
	PD 2437 green									Q68000A3562	
	PD 3535 super red	4	6.86	35.56 x 18.29	Parallel	±55/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Built-in CMOS decoder, multiplexer, memory and driver, 128 ASCII character ROM. 3 dimming levels plus blank - Blinking cursor, character, lamp test functions - Internal or external mux clock. - End stackable.	Q68000A7964	20
	PD 3536 hyper red									Q68000A8365	
	PD 3537 green									Q68000A7965	
	PD 4435 super red	4	11.43	38.1 x 20.83	Parallel	±55/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Reflector product produces large solid pixels with no cross-talk. - Built-in CMOS decoder, multiplexer, memory and driver, 128 ASCII character ROM. 3 dimming levels plus blank - Blinking cursor, character, lamp test functions - Internal or external clock - end stackable.	Q68000A8367	21
	PD 4436 hyper red									Q68000A8368	
	PD 4437 green									Q68000A8369	

4-digit domino series 5X7 Intelligent Displays

	DLR 1414 hyper red	4	3.7	17.78 x 20.32	Parallel	±50/ ±75 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Built-in CMOS decoder, multiplexer, memory and driver, 128 ASCII character ROM. - End stackable.	Q68000A8091	15
	DLO 1414 super red									Q68000A8092	
	DLG 1414 green									Q68000A8093	
	DLR 2416 hyper red	4	5	25.40 x 20.32	Parallel	±50/ ±75 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Built-in CMOS decoder, multiplexer, memory and driver, 128 ASCII character ROM. - End stackable.	Q68000A8094	16
	DLO 2416 super red									Q68000A8095	
	DLG 2416 green									Q68000A8096	
	DLS 2416 blue									Q65110A1251	
	DLR 3416 hyper red	4	6.9	33.02 x 20.32	Parallel	±50/ ±75 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Built-in CMOS decoder, multiplexer, memory and driver, 128 ASCII character ROM. - End stackable.	Q68000-A8097	17
	DLO 3416 super red									Q68000-A8098	
	DLG 3416 green									Q68000-A8099	

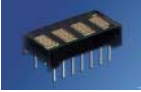
4-DIGIT PLASTIC PACKAGE INTELLIGENT DISPLAYS

Packages	Type/ Color	# of characters	Character height [mm]	Package size [mm]	Interface type	Viewing angle x-/y-axis	# of dots per character	Temperature range	Features	Order Code	Figure
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4-digit wide body serial interface 5X7 Intelligent Displays

	SCF 5740 hyper red	4	6.85	33.02 x 20.17	Serial	±55/ ±55 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial Input, Dot Addressable Display. Ideal for User Defined Characters - Built-in Decoders, Multiplexers and LED Drivers - Programmable Features: - Clear Function - Eight Dimming Levels - Peak Current Select (12.5% or Full Peak Current) - Prescaler Function (External Oscillator Divided by 16 or 1) - Internal or External Clock.	Q68000A8848	18
	SCF 5741 yellow									Q68000A8900	
	SCF 5742 super red									Q68000A8901	
	SCF 5743 green									Q68000A8902	
	SCF 5744 HEG*									Q68000A8903	

4-digit Slimline 5X7 Intelligent Displays

	SLR 2016 hyper red	4	4.72	19.91 x 10.54	Parallel	±50/ ±75 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Optimum display surface efficiency - Very close multi-line spacing, 0.4" centers. 128 special ASCII character ROM - Clear function that clears character memory - True blanking for intensity dimming applications	Q68000A8640	2
	SLO 2016 super red									Q68000A8641	
	SLG 2016 green									Q68000A8642	
	SLY 2016 yellow									Q68000A8643	
	HDSP 2000 LP hyper red	4	3.7	17.75 x 8.89	Shift register	±50/ ±75 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial input. Easily cascaded for multiple displays. - Built-in low power CMOS shift register and constant current LED row drivers. - External column strobing allows use of standard and custom alphanumeric fonts. - Blanking input for dimming control.	Q68000A8131	5
	HDSP 2001 LP yellow									Q68000A8304	
	HDSP 2002 LP super red									Q68000A8132	
	HDSP 2003 LP green									Q68000A8133	

4-digit Slimline 5X7 Intelligent Displays with serial interface

	SCE 5740 hyper red	4	4.7	19.91 x 10.54	Serial with dual inline leads (DIP)	±50/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial Input, Dot Addressable Display. Ideal for User Defined Characters - Built-in Decoders, Multiplexers and LED Drivers - Programmable Features: - Clear Function - Eight Dimming Levels - Peak Current Select (12.5% or Full Peak Current) - Prescaler Function (External Oscillator Divided by 16 or 1) - Internal or External Clock.	Q68100A1369	3
	SCE 5741 yellow									Q68100A1370	
	SCE 5742 super red									Q68100A1371	
	SCE 5743 green									Q68100A1372	
	SCE 5744 HEG*									Q68100A1373	
	SCE 5745 orange									Q68100A1374	

* HEG = high efficiency green

4-DIGIT PLASTIC PACKAGE INTELLIGENT DISPLAYS

Packages	Type/ Color	#. of characters	Character height [mm]	Package size [mm]	Interface type	Viewing angle x-/y-axis	# of dots per character	Temperature range	Features	Order Code	Figure
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4-digit Slimline 5X7 Intelligent Displays with serial interface and single-inline leads (SIP)

	SCE 5741P yellow	4	4.7	19.91 x 10.54	Serial with straight single inline leads (SIP)	±50/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial Input, Dot Addressable Display. Ideal for User Defined Characters - Built-in Decoders, Multiplexers and LED Drivers - Programmable Features: – Clear Function – Eight Dimming Levels – Peak Current Select (12.5% or Full Peak Current) – Prescaler Function (External Oscillator Divided by 16 or 1)	Q68100A1479	3
	SCE 5742P super red									Q68100A1480	
	SCE 5743P green									Q68100A1481	
	SCE 5744P HEG*									Q68100A1482	
	SCE 5745P orange									Q68100A1483	

4-digit Slimline 5X7 Intelligent Displays with serial interface and 90 degree form single inline leads (Q-SIP)

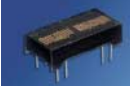
	SCE 5740Q hyper red	4	4.7	19.91 x 10.54	Serial with 90 degree form single inline leads (Q-SIP)	±50/ ±65 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial Input, Dot Addressable Display. Ideal for User Defined Characters - Built-in Decoders, Multiplexers and LED Drivers - Programmable Features: – Clear Function – Eight Dimming Levels – Peak Current Select (12.5% or Full Peak Current) – Prescaler Function (External Oscillator Divided by 16 or 1)	Q68100-A1440	3
	SCE 5741Q yellow									Q68100-A1484	
	SCE 5742Q super red									Q68100-A1485	
	SCE 5743Q green									Q68100-A1486	
	SCE 5744Q HEG*									Q68100-A1487	
	SCE 5745Q orange									Q68100-A1488	

* HEG = high efficiency green

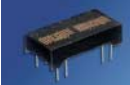
4-DIGIT VERTICAL & SQUARE FORMAT PLASTIC PACKAGE DISPLAYS

Packages	Type/ Color	# of characters	Character height [mm]	Package size [mm]	Interface type	Viewing angle x-/y-axis	# of dots per character	Temperature range	Features	Order Code	Figure
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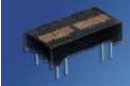
4-digit Vertical Format Intelligent Displays

	SCDV 5540 hyper red	4	3.2	10.54 x 19.91	Serial	±55/ ±55 deg.	25 (5 x 5)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial Input, Dot Addressable Display. Ideal for User Defined Characters - Built-in Decoders, Multiplexers and LED Drivers - Programmable Features: – Clear Function – Eight Dimming Levels – Peak Current Select (12.5% or Full Peak Current) – Prescaler Function (External Oscillator Divided by 16 or 1)	Q68000A8890	4
	SCDV 5541 yellow									Q68000A8891	
	SCDV 5542 super red									Q68000A8892	
	SCDV 5543 green									Q68000A8893	
	SCDV 5544 HEG*									Q68000A8894	

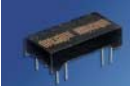
4-digit Square Format Intelligent Displays with straight single inline leads (SIP)

	SCDQ 5541P yellow	4	3.6	19.91 x 10.54	Serial with straight single inline leads (SIP)	±55/ ±55 deg.	25 (5 x 5)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial Input, Dot Addressable Display. Ideal for User Defined Characters - Built-in Decoders, Multiplexers and LED Drivers - Programmable Features: – Clear Function – Eight Dimming Levels – Peak Current Select (12.5% or Full Peak Current) – Prescaler Function (External Oscillator Divided by 16 or 1)	Q68100A1472P	4
	SCDQ 5542P super red									Q68100A1078P	
	SCDQ 5543P green									Q68100A1473P	
	SCDQ 5544P HEG*									Q68100A1473P	

4-digit Square Format Intelligent Displays with 90 degree bend single inline leads (Q-SIP)

	SCDQ 5541Q yellow	4	3.6	19.91 x 10.54	Serial with 90 degree bend single inline leads (Q-SIP)	±55/ ±55 deg.	25 (5 x 5)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial Input, Dot Addressable Display. Ideal for User Defined Characters - Built-in Decoders, Multiplexers and LED Drivers - Programmable Features: – Clear Function – Eight Dimming Levels – Peak Current Select (12.5% or Full Peak Current) – Prescaler Function (External Oscillator Divided by 16 or 1)	Q68100A1472Q	4
	SCDQ 5542Q super red									Q68100A1078Q	
	SCDQ 5543Q green									Q68100A1473Q	
	SCDQ 5544Q HEG*									Q68100A1473Q	

4-digit Square Format Intelligent Displays with molex connector

	SCDQ 5541R yellow	4	3.6	19.91 x 10.54	Serial with Molex connector	±55/ ±55 deg.	25 (5 x 5)	Operating -40 to +85 °C Storage -40 to +100 °C	- Serial Input, Dot Addressable Display. Ideal for User Defined Characters - Built-in Decoders, Multiplexers and LED Drivers - Programmable Features: – Clear Function – Eight Dimming Levels – Peak Current Select (12.5% or Full Peak Current) – Prescaler Function (External Oscillator Divided by 16 or 1)	Q68100A1472R	4
	SCDQ 5542R super red									Q68100A1078R	
	SCDQ 5543R green									Q68100A1473R	
	SCDQ 5544R HEG*									Q68100A1473R	

* HEG = high efficiency green

SINGLE DIGIT PLASTIC PACKAGE INTELLIGENT DISPLAYS

Packages	Type/ Color	#. of characters	Character height [mm]	Package size [mm]	Interface type	Viewing angle x-/y-axis	# of dots per character	Temperature range	Features	Order Code	Figure
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Single digit Intelligent Displays

	DLO 7135 super red	1	17.3	17.78 x 20.32	Parallel	±55 deg.	35 (5 x 7)	Operating -40 to +85 °C Storage -40 to +100 °C	• Built-in CMOS decoder, multiplexer, memory and driver, • Reflector product produces large solid pixels with no cross-talk. • 4 programmable brightness levels. • Built-in 96 ASCII character ROM. • XY stackable.	Q68000A7157	24
	DLG 7137 green									Q68000A7159	
	DLO 4135 super red	10.9	12.7 x 25.40	23						Q68000A4297	
	DLG 4137 green									Q68000A4299	

Maßbilder in inch (mm)

Outline drawings dimensions in inch (mm)

Figure 2 SLX 2016

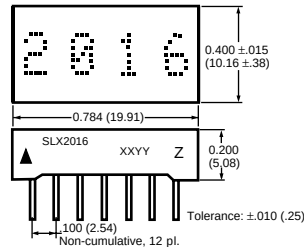


Figure 3 SCE 574X

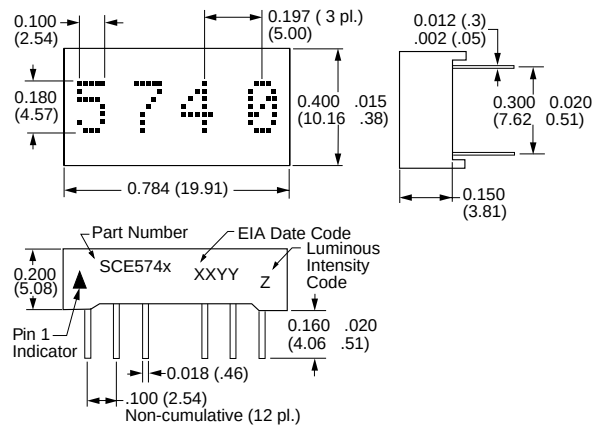


Figure 4 SCDV 554X

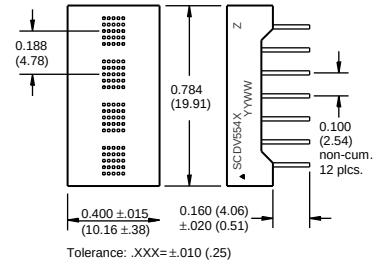


Figure 5 HDSP 200X

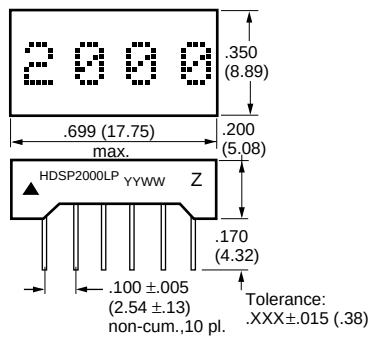
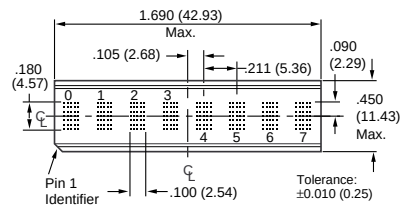


Figure 6 SCE 578X



Maßbilder in inch (mm)

Outline drawings dimensions in inch (mm)

Figure 7 PDSP 188X

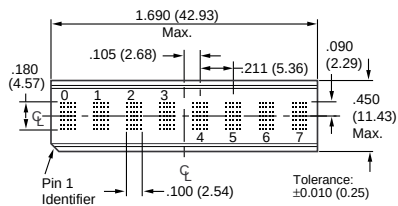


Figure 8 SCD 558XA

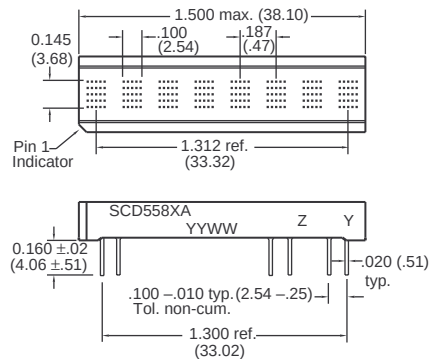


Figure 9 SCD 5510XA

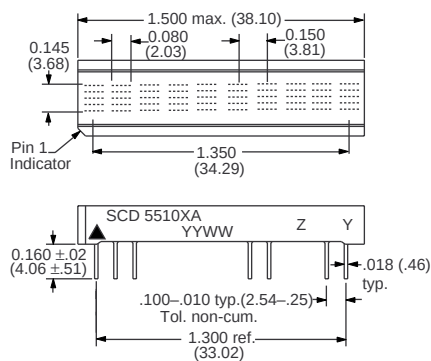


Figure 10 **IPD 213X**

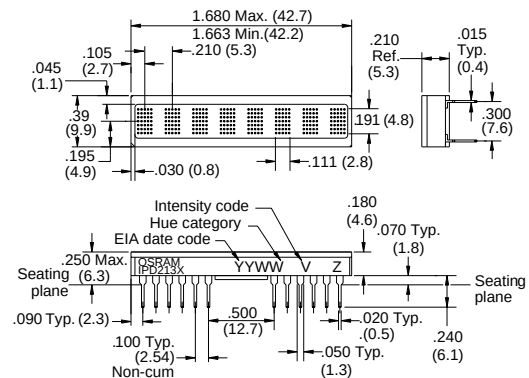


Figure 11 **ISD 235X**

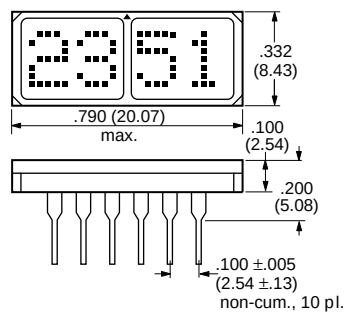
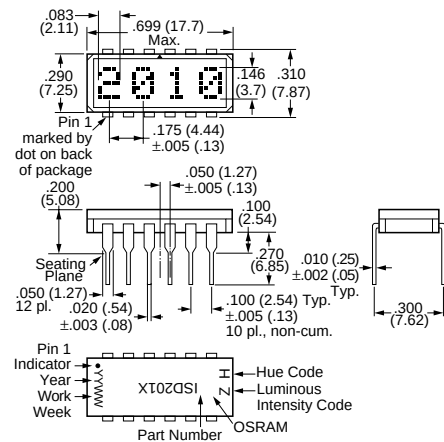


Figure 12 **ISD 201X**



Maßbilder in inch (mm)

Outline drawings dimensions in inch (mm)

Figure 13 ISD 231X

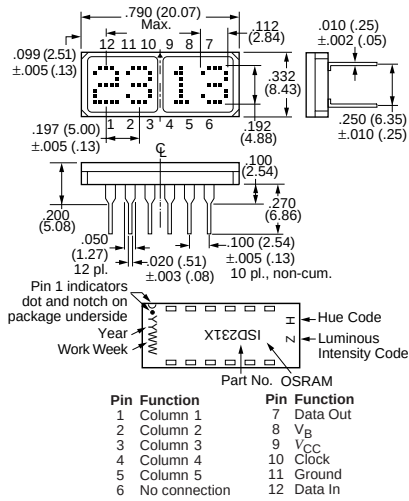


Figure 14 IPD 2545 A, IPD 2547 A

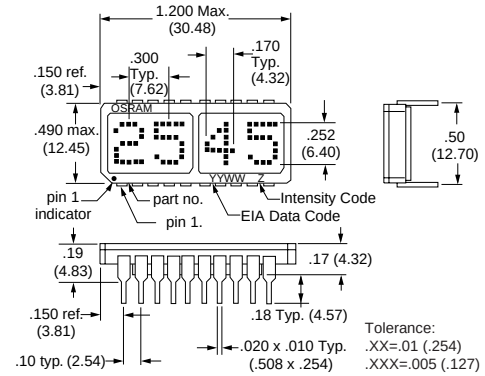


Figure 15 DLX 1414

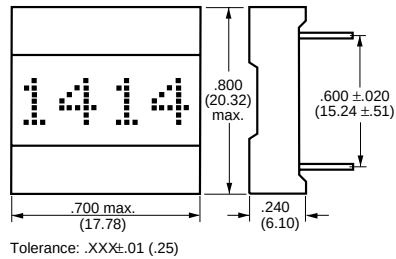


Figure 16 DLX 2416

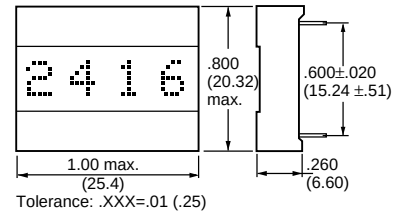


Figure 17 DLX 3416

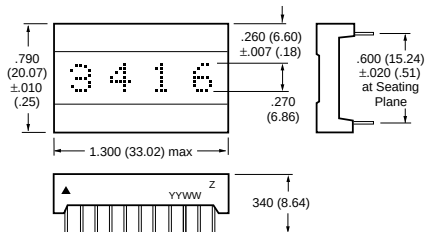
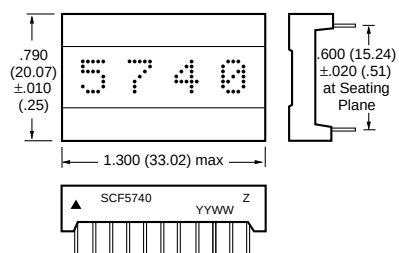


Figure 18 SCF 574X



Maßbilder in inch (mm)

Outline drawings dimensions in inch (mm)

Figure 19 PD 2435, PD 2436, PD 2437

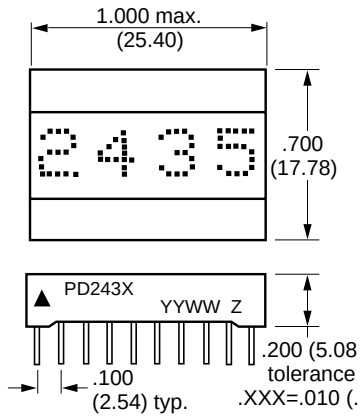


Figure 20 PD 3535, PD 3536, PD 3537

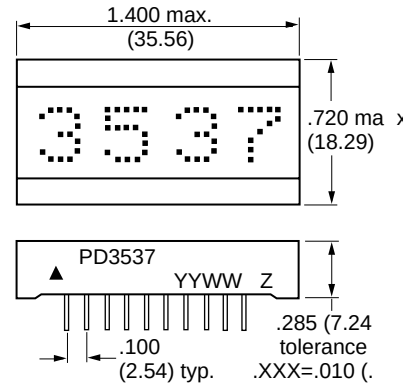


Figure 21 PD 4435, PD 4436, PD 4437

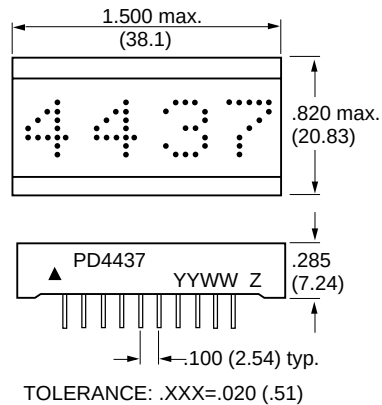


Figure 22 PDSP 211X, HDSP 211X

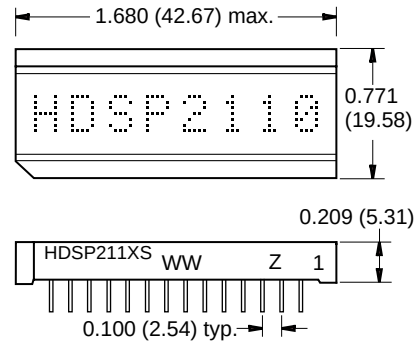


Figure 23 DLO 4135, DLG 4137

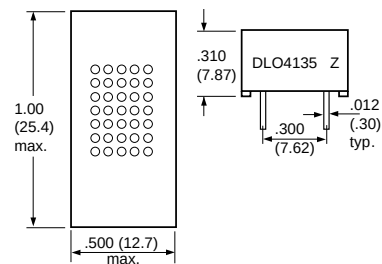


Figure 24 DLO 7135, DLG 7137

