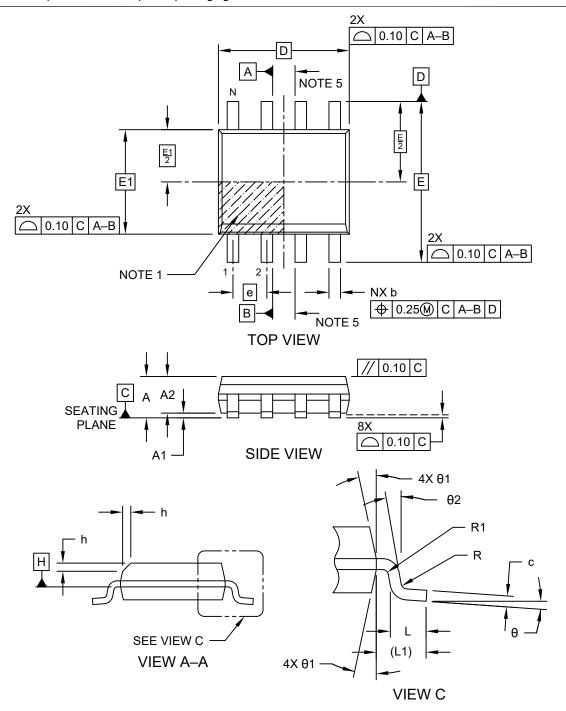


8-Lead Plastic Small Outline (SN) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging

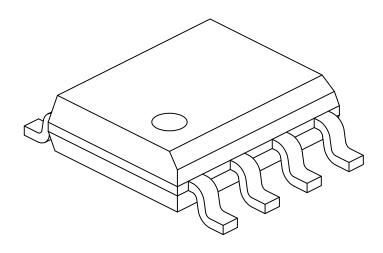


Microchip Technology Drawing No. C04-057-SN Rev K Sheet 1 of 2



8-Lead Plastic Small Outline (SN) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



Units		N	IILLIMETER	S
Dimension	Limits	MIN	NOM	MAX
Number of Pins	N		8	
Pitch	е		1.27 BSC	
Overall Height	Α	ı	ı	1.75
Molded Package Thickness	A2	1.25	ı	-
Standoff §	A1	0.10	ı	0.25
Overall Width	Е		6.00 BSC	
Molded Package Width	E1	3.90 BSC		
Overall Length	D	4.90 BSC		
Chamfer (Optional)	h	0.25	ı	0.50
Foot Length	L	0.40	ı	1.27
Footprint	L1		1.04 REF	
Lead Thickness	С	0.17	_	0.25
Lead Width	b	0.31	ı	0.51
Lead Bend Radius	R	0.07	-	_
Lead Bend Radius	R1	0.07	ı	_
Foot Angle	θ	0°	_	8°
Mold Draft Angle	θ1	5°	-	15°
Lead Angle	θ2	0°	_	_

Notes:

- 1. Pin 1 visual index feature may vary, but must be located within the hatched area.
- 2. § Significant Characteristic
- 3. Dimensions D and E1 do not include mold flash or protrusions. Mold flash or protrusions shall not exceed 0.15mm per side.
- 4. Dimensioning and tolerancing per ASME Y14.5M

BSC: Basic Dimension. Theoretically exact value shown without tolerances.

REF: Reference Dimension, usually without tolerance, for information purposes only.

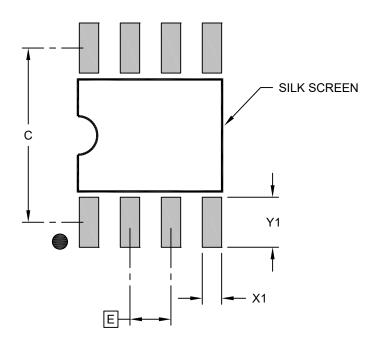
5. Datums A & B to be determined at Datum H.

Microchip Technology Drawing No. C04-057-SN Rev K Sheet 2 of 2



8-Lead Plastic Small Outline (SN) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



RECOMMENDED LAND PATTERN

	Units		MILLIMETERS		
Dimension	Dimension Limits		NOM	MAX	
Contact Pitch	Е		1.27 BSC		
Contact Pad Spacing	C		5.40		
Contact Pad Width (X8)	X1			0.60	
Contact Pad Length (X8)	Y1			1.55	

Notes:

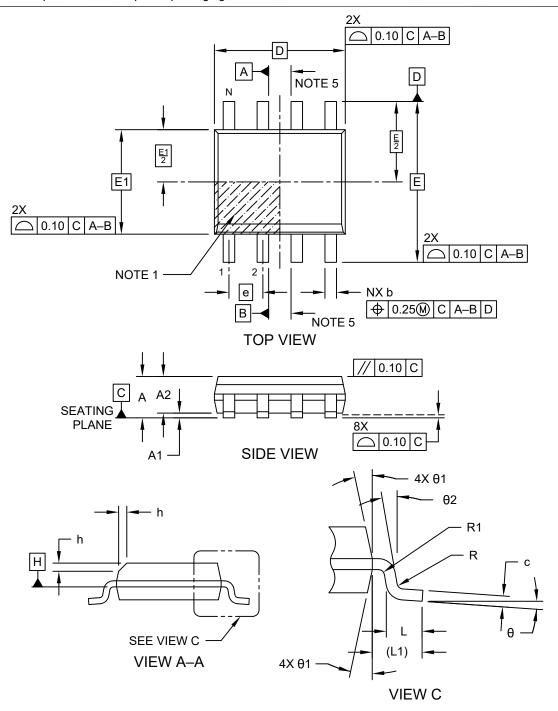
Dimensioning and tolerancing per ASME Y14.5M
BSC: Basic Dimension. Theoretically exact value shown without tolerances.

Microchip Technology Drawing C04-2057-SN Rev K



8-Lead Plastic Small Outline (OA) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging

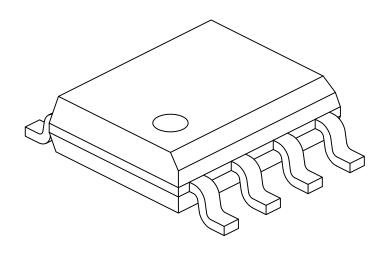


Microchip Technology Drawing No. C04-057-OA Rev K Sheet 1 of 2



8-Lead Plastic Small Outline (OA) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



Units		N	IILLIMETER	S
Dimension	Limits	MIN	NOM	MAX
Number of Pins	N		8	
Pitch	е		1.27 BSC	
Overall Height	Α	-	ı	1.75
Molded Package Thickness	A2	1.25	ı	-
Standoff §	A1	0.10	ı	0.25
Overall Width	Е	6.00 BSC		
Molded Package Width	E1	3.90 BSC		
Overall Length	D	4.90 BSC		
Chamfer (Optional)	h	0.25	ı	0.50
Foot Length	L	0.40	ı	1.27
Footprint	L1		1.04 REF	
Lead Thickness	С	0.17	ı	0.25
Lead Width	b	0.31	ı	0.51
Lead Bend Radius	R	0.07	ı	_
Lead Bend Radius	R1	0.07	ı	_
Foot Angle	θ	0°	-	8°
Mold Draft Angle	θ1	5°		15°
Lead Angle	θ2	0°	_	_

Notes:

- 1. Pin 1 visual index feature may vary, but must be located within the hatched area.
- 2. § Significant Characteristic
- 3. Dimensions D and E1 do not include mold flash or protrusions. Mold flash or protrusions shall not exceed 0.15mm per side.
- 4. Dimensioning and tolerancing per ASME Y14.5M

BSC: Basic Dimension. Theoretically exact value shown without tolerances.

REF: Reference Dimension, usually without tolerance, for information purposes only.

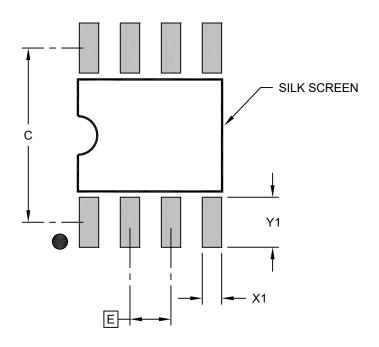
5. Datums A & B to be determined at Datum H.

Microchip Technology Drawing No. C04-057-OA Rev K Sheet 2 of 2



8-Lead Plastic Small Outline (OA) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



RECOMMENDED LAND PATTERN

	Units		MILLIMETERS		
Dimension	Dimension Limits		NOM	MAX	
Contact Pitch	Е		1.27 BSC		
Contact Pad Spacing	C		5.40		
Contact Pad Width (X8)	X1			0.60	
Contact Pad Length (X8)	Y1			1.55	

Notes:

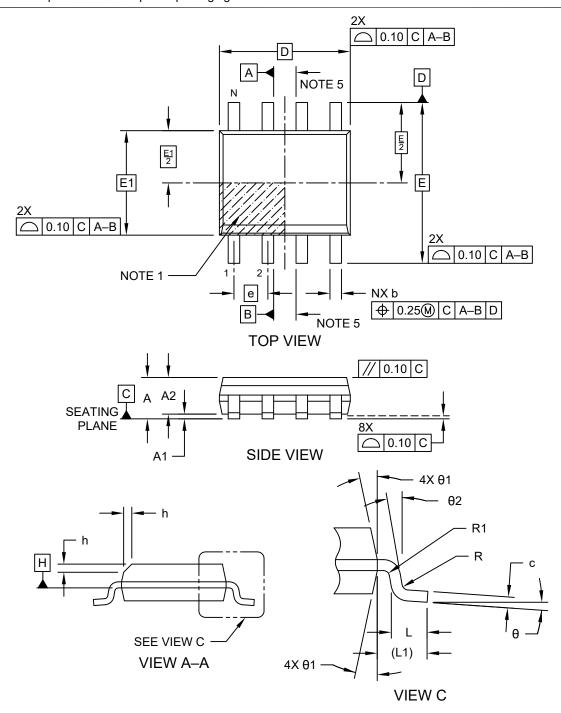
Dimensioning and tolerancing per ASME Y14.5M
BSC: Basic Dimension. Theoretically exact value shown without tolerances.

Microchip Technology Drawing C04-2057-OA Rev K



8-Lead Plastic Small Outline (C2X) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging

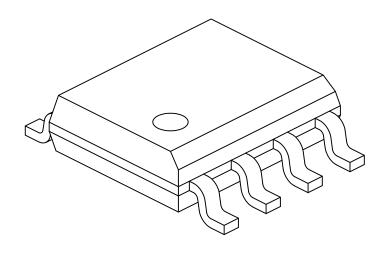


Microchip Technology Drawing No. C04-057-C2X Rev K Sheet 1 of 2



8-Lead Plastic Small Outline (C2X) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



Units		N	IILLIMETER	S
Dimension	Limits	MIN	NOM	MAX
Number of Pins	N		8	
Pitch	е		1.27 BSC	
Overall Height	Α	-	ı	1.75
Molded Package Thickness	A2	1.25	ı	-
Standoff §	A1	0.10	ı	0.25
Overall Width	Е	6.00 BSC		
Molded Package Width	E1	3.90 BSC		
Overall Length	D	4.90 BSC		
Chamfer (Optional)	h	0.25	ı	0.50
Foot Length	L	0.40	ı	1.27
Footprint	L1		1.04 REF	
Lead Thickness	С	0.17	ı	0.25
Lead Width	b	0.31	ı	0.51
Lead Bend Radius	R	0.07	ı	_
Lead Bend Radius	R1	0.07	ı	_
Foot Angle	θ	0°	-	8°
Mold Draft Angle	θ1	5°		15°
Lead Angle	θ2	0°	_	_

Notes:

- 1. Pin 1 visual index feature may vary, but must be located within the hatched area.
- 2. § Significant Characteristic
- 3. Dimensions D and E1 do not include mold flash or protrusions. Mold flash or protrusions shall not exceed 0.15mm per side.
- 4. Dimensioning and tolerancing per ASME Y14.5M

BSC: Basic Dimension. Theoretically exact value shown without tolerances.

REF: Reference Dimension, usually without tolerance, for information purposes only.

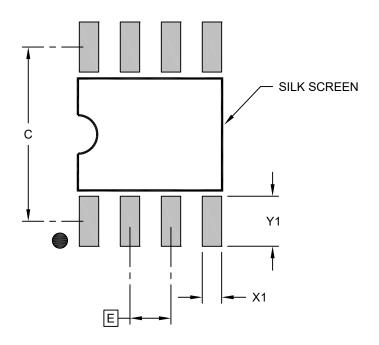
5. Datums A & B to be determined at Datum H.

Microchip Technology Drawing No. C04-057-C2X Rev K Sheet 2 of 2



8-Lead Plastic Small Outline (C2X) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



RECOMMENDED LAND PATTERN

	Units		MILLIMETERS		
Dimension	Dimension Limits		NOM	MAX	
Contact Pitch	Е		1.27 BSC		
Contact Pad Spacing	C		5.40		
Contact Pad Width (X8)	X1			0.60	
Contact Pad Length (X8)	Y1			1.55	

Notes:

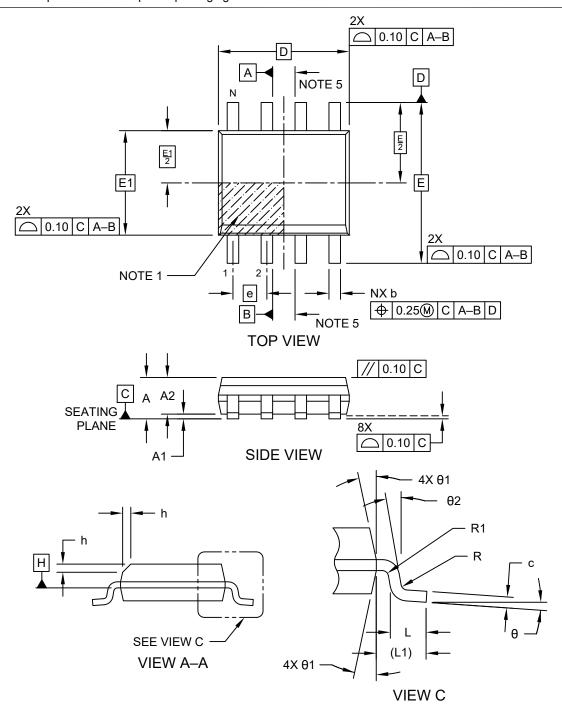
Dimensioning and tolerancing per ASME Y14.5M
BSC: Basic Dimension. Theoretically exact value shown without tolerances.

Microchip Technology Drawing C04-2057-C2X Rev K



8-Lead Plastic Small Outline (3BX) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging

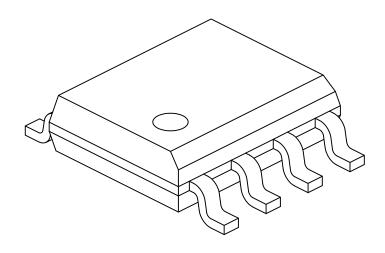


Microchip Technology Drawing No. C04-057-3BX Rev K Sheet 1 of 2



8-Lead Plastic Small Outline (3BX) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



Units		N	IILLIMETER	S
Dimension	Limits	MIN	NOM	MAX
Number of Pins	N		8	
Pitch	е		1.27 BSC	
Overall Height	Α	-	ı	1.75
Molded Package Thickness	A2	1.25	ı	-
Standoff §	A1	0.10	ı	0.25
Overall Width	Е	6.00 BSC		
Molded Package Width	E1	3.90 BSC		
Overall Length	D	4.90 BSC		
Chamfer (Optional)	h	0.25	ı	0.50
Foot Length	L	0.40	ı	1.27
Footprint	L1		1.04 REF	
Lead Thickness	С	0.17	ı	0.25
Lead Width	b	0.31	ı	0.51
Lead Bend Radius	R	0.07	ı	_
Lead Bend Radius	R1	0.07	ı	_
Foot Angle	θ	0°	-	8°
Mold Draft Angle	θ1	5°		15°
Lead Angle	θ2	0°	_	_

Notes:

- 1. Pin 1 visual index feature may vary, but must be located within the hatched area.
- 2. § Significant Characteristic
- 3. Dimensions D and E1 do not include mold flash or protrusions. Mold flash or protrusions shall not exceed 0.15mm per side.
- 4. Dimensioning and tolerancing per ASME Y14.5M

BSC: Basic Dimension. Theoretically exact value shown without tolerances.

REF: Reference Dimension, usually without tolerance, for information purposes only.

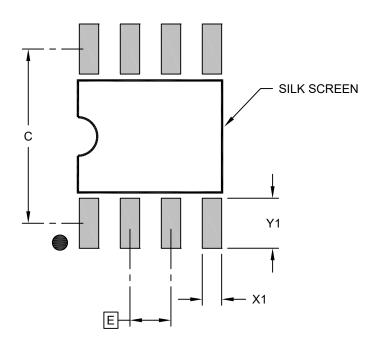
5. Datums A & B to be determined at Datum H.

Microchip Technology Drawing No. C04-057-3BX Rev K Sheet 2 of 2



8-Lead Plastic Small Outline (3BX) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



RECOMMENDED LAND PATTERN

Units		MILLIMETERS		
Dimension Limits		MIN	NOM	MAX
Contact Pitch	Е		1.27 BSC	
Contact Pad Spacing	С		5.40	
Contact Pad Width (X8)	X1			0.60
Contact Pad Length (X8)	Y1			1.55

Notes:

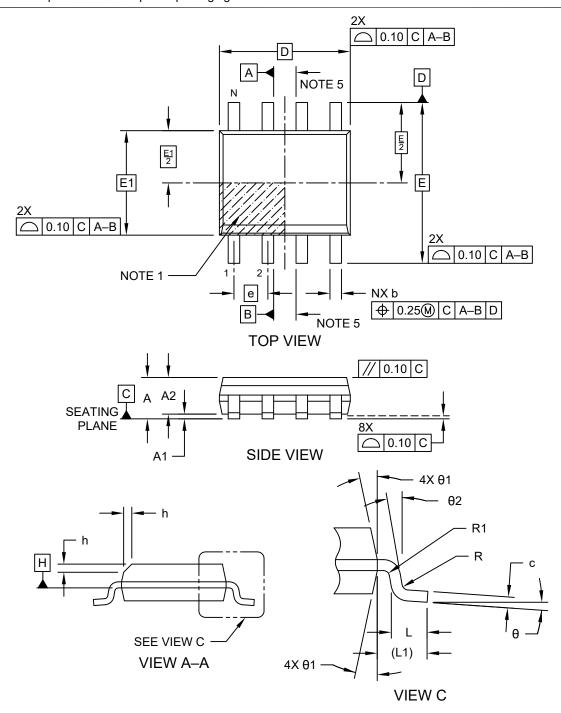
Dimensioning and tolerancing per ASME Y14.5M
BSC: Basic Dimension. Theoretically exact value shown without tolerances.

Microchip Technology Drawing C04-2057-3BX Rev K



8-Lead Plastic Small Outline (CAX) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging

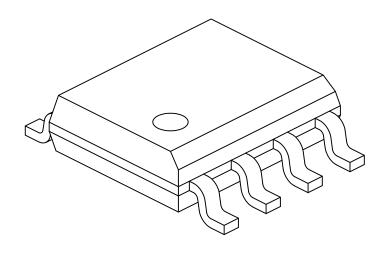


Microchip Technology Drawing No. C04-057-CAX Rev K Sheet 1 of 2



8-Lead Plastic Small Outline (CAX) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



Units		N	IILLIMETER	S
Dimension	Limits	MIN	NOM	MAX
Number of Pins	N		8	
Pitch	е		1.27 BSC	
Overall Height	Α	-	ı	1.75
Molded Package Thickness	A2	1.25	ı	-
Standoff §	A1	0.10	ı	0.25
Overall Width	Е	6.00 BSC		
Molded Package Width	E1	3.90 BSC		
Overall Length	D	4.90 BSC		
Chamfer (Optional)	h	0.25	ı	0.50
Foot Length	L	0.40	ı	1.27
Footprint	L1		1.04 REF	
Lead Thickness	С	0.17	ı	0.25
Lead Width	b	0.31	ı	0.51
Lead Bend Radius	R	0.07	ı	_
Lead Bend Radius	R1	0.07	ı	_
Foot Angle	θ	0°	-	8°
Mold Draft Angle	θ1	5°		15°
Lead Angle	θ2	0°	_	_

Notes:

- 1. Pin 1 visual index feature may vary, but must be located within the hatched area.
- 2. § Significant Characteristic
- 3. Dimensions D and E1 do not include mold flash or protrusions. Mold flash or protrusions shall not exceed 0.15mm per side.
- 4. Dimensioning and tolerancing per ASME Y14.5M

BSC: Basic Dimension. Theoretically exact value shown without tolerances.

REF: Reference Dimension, usually without tolerance, for information purposes only.

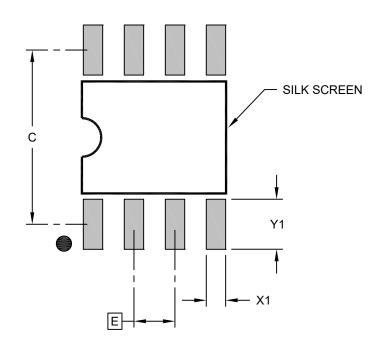
5. Datums A & B to be determined at Datum H.

Microchip Technology Drawing No. C04-057-CAX Rev K Sheet 2 of 2



8-Lead Plastic Small Outline (CAX) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



RECOMMENDED LAND PATTERN

	Units		MILLIMETERS		
Dimension	Dimension Limits		NOM	MAX	
Contact Pitch	Е		1.27 BSC		
Contact Pad Spacing	C		5.40		
Contact Pad Width (X8)	X1			0.60	
Contact Pad Length (X8)	Y1			1.55	

Notes:

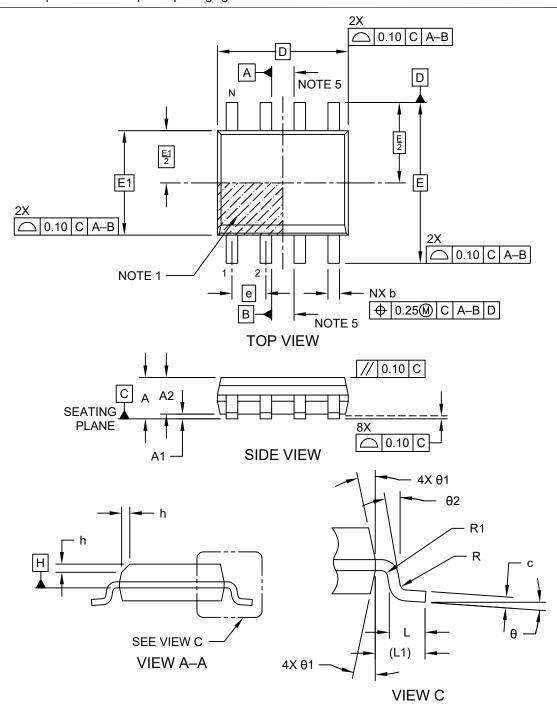
Dimensioning and tolerancing per ASME Y14.5M
BSC: Basic Dimension. Theoretically exact value shown without tolerances.

Microchip Technology Drawing C04-2057-CAX Rev K



8-Lead Plastic Small Outline (CCX) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging

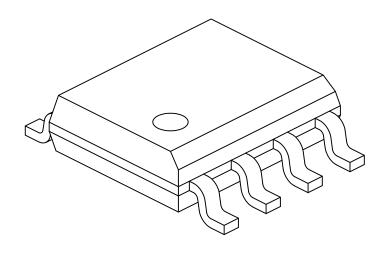


Microchip Technology Drawing No. C04-057-CCX Rev K Sheet 1 of 2



8-Lead Plastic Small Outline (CCX) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



Units		N	IILLIMETER	S
Dimension	Limits	MIN	NOM	MAX
Number of Pins	N		8	
Pitch	е		1.27 BSC	
Overall Height	Α	-	ı	1.75
Molded Package Thickness	A2	1.25	ı	-
Standoff §	A1	0.10	ı	0.25
Overall Width	Е	6.00 BSC		
Molded Package Width	E1	3.90 BSC		
Overall Length	D	4.90 BSC		
Chamfer (Optional)	h	0.25	ı	0.50
Foot Length	L	0.40	ı	1.27
Footprint	L1		1.04 REF	
Lead Thickness	С	0.17	ı	0.25
Lead Width	b	0.31	ı	0.51
Lead Bend Radius	R	0.07	ı	_
Lead Bend Radius	R1	0.07	ı	_
Foot Angle	θ	0°	-	8°
Mold Draft Angle	θ1	5°		15°
Lead Angle	θ2	0°	_	_

Notes:

- 1. Pin 1 visual index feature may vary, but must be located within the hatched area.
- 2. § Significant Characteristic
- 3. Dimensions D and E1 do not include mold flash or protrusions. Mold flash or protrusions shall not exceed 0.15mm per side.
- 4. Dimensioning and tolerancing per ASME Y14.5M

BSC: Basic Dimension. Theoretically exact value shown without tolerances.

REF: Reference Dimension, usually without tolerance, for information purposes only.

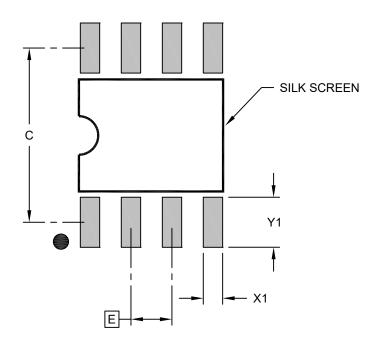
5. Datums A & B to be determined at Datum H.

Microchip Technology Drawing No. C04-057-CCX Rev K Sheet 2 of 2



8-Lead Plastic Small Outline (CCX) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



RECOMMENDED LAND PATTERN

	Units		MILLIMETERS		
Dimension	Dimension Limits		NOM	MAX	
Contact Pitch	Е		1.27 BSC		
Contact Pad Spacing	C		5.40		
Contact Pad Width (X8)	X1			0.60	
Contact Pad Length (X8)	Y1			1.55	

Notes:

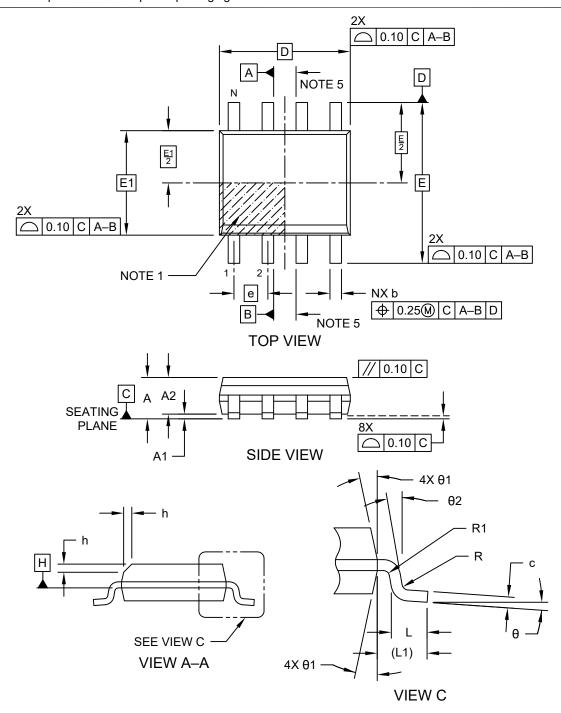
Dimensioning and tolerancing per ASME Y14.5M
BSC: Basic Dimension. Theoretically exact value shown without tolerances.

Microchip Technology Drawing C04-2057-CCX Rev K



8-Lead Plastic Small Outline (ENA) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging

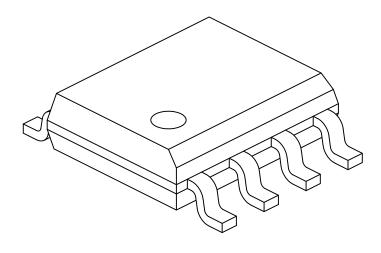


Microchip Technology Drawing No. C04-057-ENA Rev K Sheet 1 of 2



8-Lead Plastic Small Outline (ENA) - Narrow, 3.90 mm (.150 ln.) Body [SOIC] Atmel Legacy Global Package Code SWB

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



Units		MILLIMETERS			
Dimension Limits		MIN	NOM	MAX	
Number of Pins	N	8			
Pitch	е	1.27 BSC			
Overall Height	Α	-	ı	1.75	
Molded Package Thickness	A2	1.25	ı	-	
Standoff §	A1	0.10	ı	0.25	
Overall Width	Е	6.00 BSC			
Molded Package Width	E1	3.90 BSC			
Overall Length	D	4.90 BSC			
Chamfer (Optional)	h	0.25	ı	0.50	
Foot Length	L	0.40	ı	1.27	
Footprint	L1	1.04 REF			
Lead Thickness	С	0.17	ı	0.25	
Lead Width	b	0.31	ı	0.51	
Lead Bend Radius	R	0.07	ı	_	
Lead Bend Radius	R1	0.07	ı	_	
Foot Angle	θ	0°	-	8°	
Mold Draft Angle	θ1	5°		15°	
Lead Angle	θ2	0°	_	_	

Notes:

- 1. Pin 1 visual index feature may vary, but must be located within the hatched area.
- 2. § Significant Characteristic
- 3. Dimensions D and E1 do not include mold flash or protrusions. Mold flash or protrusions shall not exceed 0.15mm per side.
- 4. Dimensioning and tolerancing per ASME Y14.5M

BSC: Basic Dimension. Theoretically exact value shown without tolerances.

REF: Reference Dimension, usually without tolerance, for information purposes only.

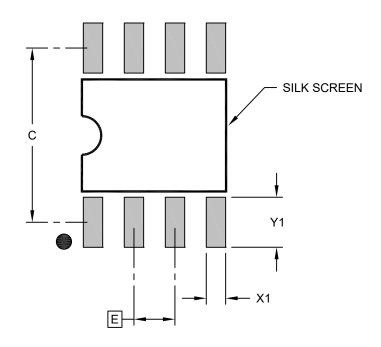
5. Datums A & B to be determined at Datum H.

Microchip Technology Drawing No. C04-057-ENA Rev K Sheet 2 of 2



8-Lead Plastic Small Outline (ENA) - Narrow, 3.90 mm (.150 ln.) Body [SOIC]

Note: For the most current package drawings, please see the Microchip Packaging Specification located at http://www.microchip.com/packaging



RECOMMENDED LAND PATTERN

	Units			MILLIMETERS			
Dimension Limits		MIN	NOM	MAX			
Contact Pitch	Е	1.27 BSC					
Contact Pad Spacing	С		5.40				
Contact Pad Width (X8)	X1			0.60			
Contact Pad Length (X8)	Y1			1.55			

Notes:

Dimensioning and tolerancing per ASME Y14.5M
BSC: Basic Dimension. Theoretically exact value shown without tolerances.

Microchip Technology Drawing C04-2057-ENA Rev K