

LED SPECIFICATION

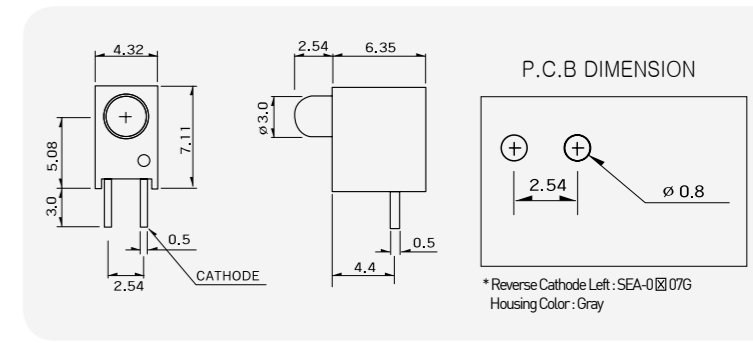


LED MODULE (ϕ 3)



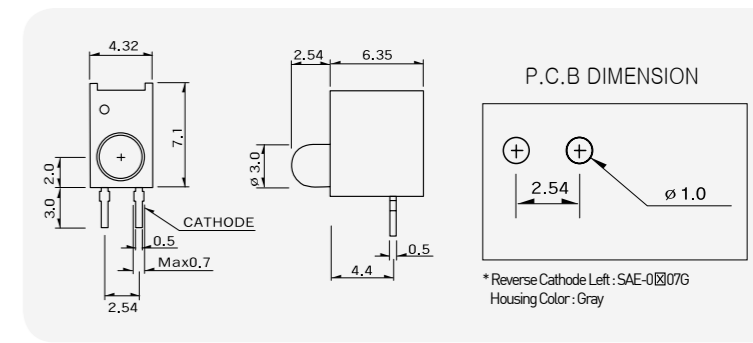
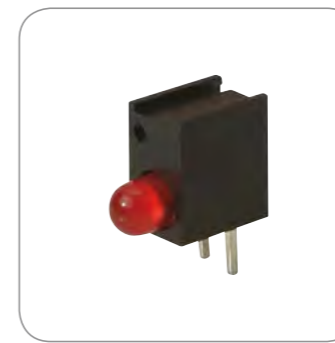
Package	LED TYPE	Part No.	Chip		Lens Appearance	Absolute Maximum Ratings				Electro-optical Data (At 20mA)			Viewing Angle 2θ 1/2 (deg)	
			Emitted Color	Peak Wave Length λ P(nm)		$\angle \lambda$ (nm)	Pd (mW)	If (mA)	Peak If (mA)	Vf(V)		Iv Typ. (mcd)		
										Typ.	Max.			
\phi, T-1 3/4 1.0" Lead Flangeless 5 ϕ , T-1 3/4 1.0" Lead Standard 5 ϕ , 2.0x5.0x7.0 1.0" Lead Rectangular"/>	High Efficiency	01	BL-B2141K	Green	568	Green Diffused	30	100	30	150	2.2	2.6	30.0	50
			BL-B3141K	Yellow	585	Yellow Diffused	35	100	30	150	2.1	2.6	20.0	50
			BL-BA1141K	Amber	610	Amber Diffused	35	100	30	150	2.0	2.6	60.0	50
			BL-B5141K	Bright Red	700	Red Diffused	90	50	15	50	2.2	2.6	10.0	50
			BL-BB41V1E	Super Blue	470	Blue Diffused	30	100	30	100	3.5	4.0	550	45
	Low Current	02	BL-B4541K-L	Hi-Eff Red	635	Red Diffused	45	15	7	-	1.7	2.2	4.5	50
			BL-B2141K-L	Green	568	Green Diffused	30	16	7	-	1.9	2.3	7.0	50
			BL-B3141K-L	Yellow	585	Yellow Diffused	35	15	7	-	1.8	2.2	3.5	50
	Integral Resistor 5V	03	BR-B4541K-05V	Hi-Eff Red	635	Red Diffused	-	-	8	-	5	-	15.5	-
			BR-B2141K-05V	Green	568	Green Diffused	-	-	8	-	5	-	15.5	-
			BR-B3141K-05V	Yellow	585	Yellow Diffused	-	-	8	-	5	-	14.0	-
			BR-B4141K-05V	Orange	635	Orange Diffused	-	-	8	-	5	-	15.5	-
	Bi-color	07	BL-BEX271E	Hi-Eff Red	635	White Diffused	45	100	30	150	2.0	2.6	25.0	45
				Green	568		30	100	30	150	2.2	2.6	30.0	45
			BL-BYX271E	Yellow	585	White Diffused	35	100	30	150	2.1	2.6	20.0	45
				Green	568		30	100	30	150	2.2	2.6	30.0	45
	1.0" Lead Flangeless 4.8 ϕ	01	BL-B5133N	Bright Red	700	Red Diffused	90	50	15	50	2.2	2.6	50.0	40
			BL-B2133N	Green	568	Green Diffused	30	100	30	150	2.2	2.6	65.0	40
			BL-B3133N	Yellow	585	Yellow Diffused	35	100	30	150	2.1	2.6	50.0	40
		01	BL-B5134N	Bright Red	700	Red Diffused	90	50	15	50	2.2	2.6	13.0	45
BL-B2134N			Green	568	Green Diffused	30	100	30	150	2.2	2.6	90.0	45	
BL-B3134N			Yellow	585	Yellow Diffused	35	100	30	150	2.1	2.6	70.0	45	
T-1 3/4 1.0" Lead Flangeless 5 ϕ	07	BL-BEG274N	Hi-Eff Red	635	White Diffused	45	100	30	150	2.0	2.6	45.0	45	
			Green	568		30	100	30	150	2.2	2.6	50.0	45	
	BL-BYG274N	Yellow	585	White Diffused	35	100	30	150	2.1	2.6	35.0	45		
		Green	568		30	100	30	150	2.2	2.6	50.0	45		
T-1 3/4 1.0" Lead Standard 5 ϕ	BL-BEG204	Hi-Eff Red	635	White Diffused	45	100	30	150	2.0	2.6	35.0	40		
		Green	568		30	100	30	150	2.2	2.6	45.0	40		
		BL-BYG204	Yellow	585	White Diffused	35	100	30	150	2.1	2.6	30.0	40	
			Green	568		30	100	30	150	2.2	2.6	45.0	40	
2.0x5.0x7.0 1.0" Lead Rectangular	BL-RVT302B-R	Hi-Eff Red	635	Water Clear	45	100	30	150	2.0	2.6	4.0	80		
		Green	568		30	100	30	150	2.2	2.6	4.5	80		

SEA-0 \square 07



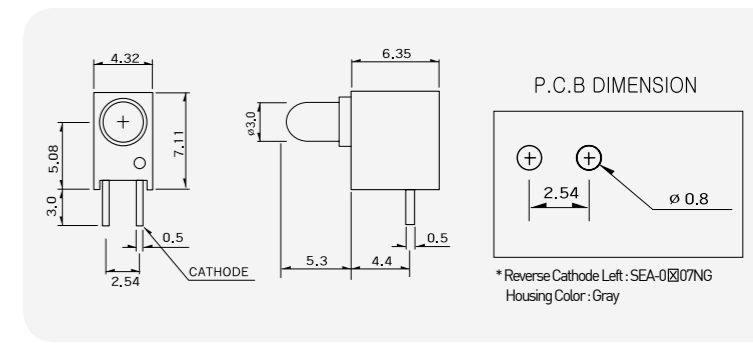
Model	SEA-0207	SEA-0307	SEA-0407	SEA-2507	SEA-0507	SEA-0607	SEA-0707	SEA-0807	SEA-1107	SEA-1207	SEA-1307	SAA-0312	SAA-0332
LED Color	Green	Yellow	Red	Amber	Red (5V)	Green (5V)	Yellow (5V)	Blue	Red (Low)	Yellow (Low)	Green (Low)	Red / Green	Yellow / Green
LED Spec	BL-B2141K	BL-B3141K	BL-B5141K	BL-BA1141K	BR-B4541K-05V	BR-B2141K-05V	BR-B3141K-05V	BL-BB41V1E	BL-B4541K-L	BL-B3141K-L	BL-B2141K-L	BL-BEX271E	BL-BYX271E

SAE-0 \square 07



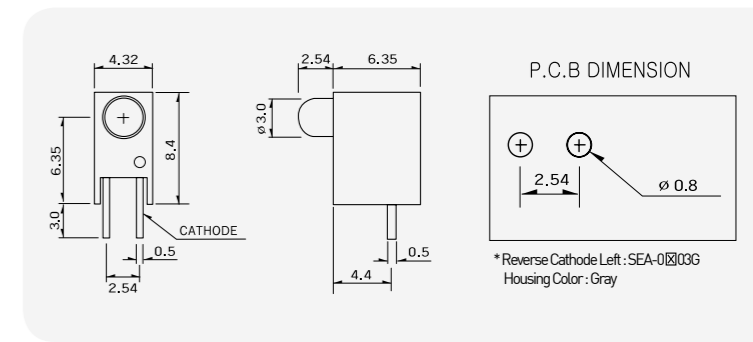
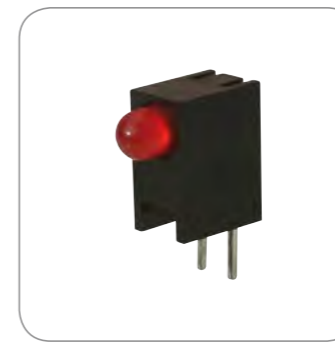
Model	SAE-0207	SAE-0307	SAE-0407	SAE-2507	SAE-0507	SAE-0607	SAE-0707	SAE-0807	SAE-1107	SAE-1207	SAE-1307	SAE-0312	SAE-0332
LED Color	Green	Yellow	Red	Amber	Red (5V)	Green (5V)	Yellow (5V)	Blue	Red (Low)	Yellow (Low)	Green (Low)	Red / Green	Yellow / Green
LED Spec	BL-B2141K	BL-B3141K	BL-B5141K	BL-BA1141K	BR-B4541K-05V	BR-B2141K-05V	BR-B3141K-05V	BL-BB41V1E	BL-B4541K-L	BL-B3141K-L	BL-B2141K-L	BL-BEX271E	BL-BYX271E

SEA-0 \square 07N



Model	SEA-0207N	SEA-0307N	SEA-0407N	SEA-2507N	SEA-0807N	SEA-0207CN	SEA-0307CN	SEA-0407CN	SEA-3007N	SEA-3107N
LED Color	Green	Yellow	Red	Amber	Blue Water Clear	Green Color Clear	Yellow Color Clear	Red Color Clear	Red / Green	Yellow / Green
LED Spec	BL-B2141	BL-B3141	BL-B5141	BL-BA1141	BL-BB33V1	BL-B2441	BL-B3441	BL-B5441	BL-BEX271	BL-BYX271

SEA-0 \square 03



Model	SEA-0203	SEA-0303	SEA-0403	SEA-2503	SEA-0503	SEA-0603	SEA-0703	SEA-0803	SEA-1103	SEA-1203	SEA-1303	SEA-3003	SEA-3103
LED Color	Green	Yellow	Red	Amber	Red (5V)	Green (5V)	Yellow (5V)	Blue	Red (Low)	Yellow (Low)	Green (Low)	Red / Green	Yellow / Green
LED Spec	BL-B2141K	BL-B3141K	BL-B5141K	BL-BA1141K	BR-B4541K-05V	BR-B2141K-05V	BR-B3141K-05V	BL-BB41V1E	BL-B4541K-L	BL-B3141K-L	BL-B2141K-L	BL-BEX271E	BL-BYX271E

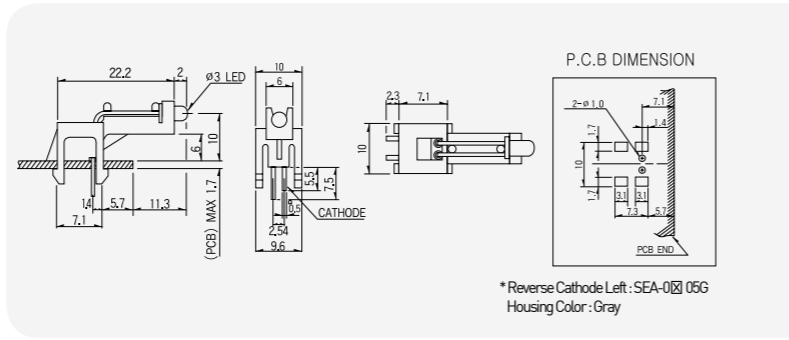
LED MODULE ($\phi 3$)



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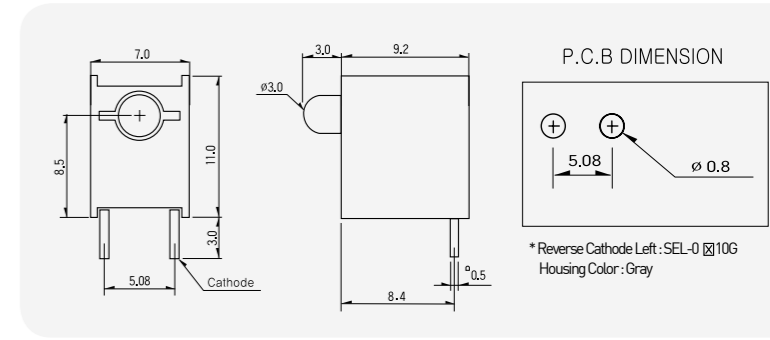
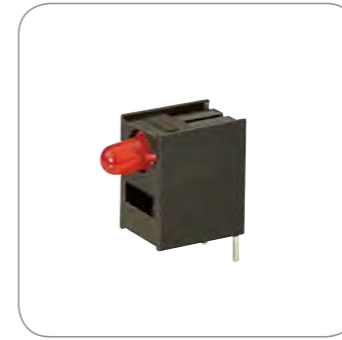


SEA-0 \square 05



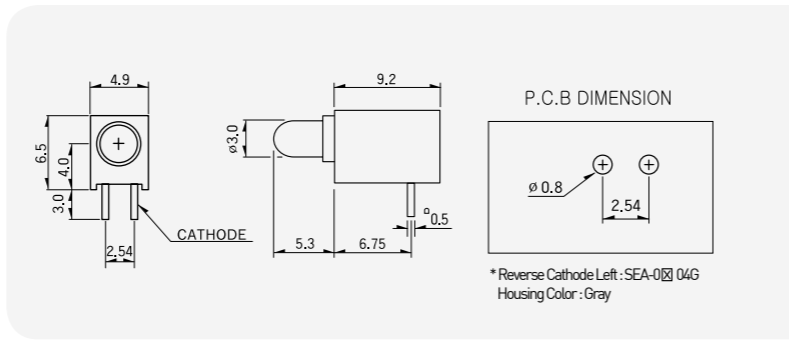
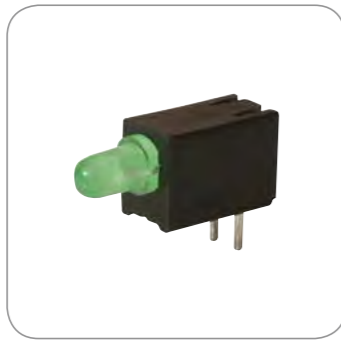
Model	SEA-0105	SEA-0205	SEA-0305	SEA-0405	SEA-0805	SEA-2505	SEA-3005	SEA-3105
LED Color	Bright Red	Green	Yellow	Hi-Eff Red	Blue	Amber	Red/Green	Yellow/Green
LED Spec	BL-B5141	BL-B2141	BL-B3141	BL-B4541	BL-BB33V1	BL-BA1141	BL-BEX271	BL-BYX271

SEL-0 \square 10



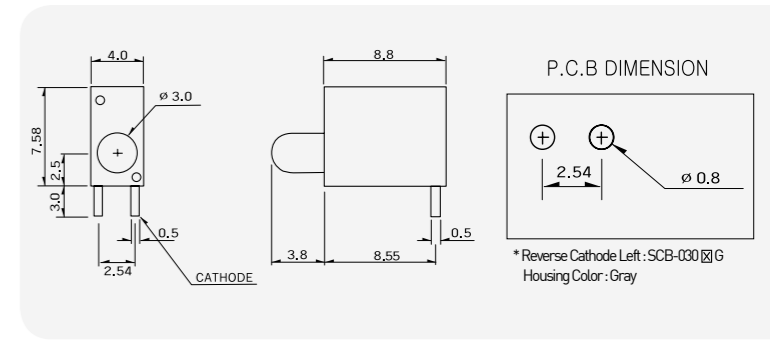
Model	SEL-0210	SEL-0310	SEL-0410	SEL-2510	SEL-0810	SEL-0210C	SEL-0310C	SEL-0410C	SEL-3010	SEL-3110
LED Color	Green	Yellow	Red	Amber	Blue	Green Color Clear	Yellow Color Clear	Red Color Clear	Red / Green	Yellow / Green
LED Spec	BL-B2141	BL-B3141	BL-B5141	BL-BA1141	BL-BB33V1	BL-B2441	BL-B3441	BL-B5441	BL-BEX271	BL-BYX271

SEA-0 \square 04



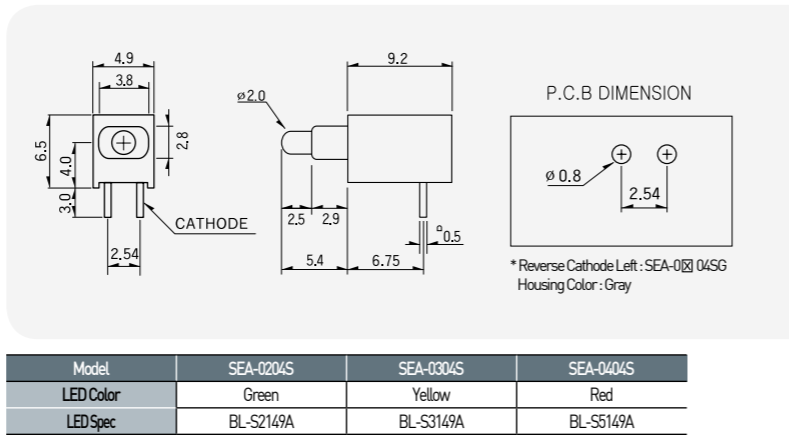
Model	SEA-0204	SEA-0304	SEA-0404	SEA-2504	SEA-0804	SEA-0204C	SEA-0304C	SEA-0404C	SEA-3004	SEA-3104
LED Color	Green	Yellow	Red	Amber	Blue	Green Color Clear	Yellow Color Clear	Red Color Clear	Red / Green	Yellow / Green
LED Spec	BL-B2141	BL-B3141	BL-B5141	BL-BA1141	BL-BB33V1	BL-B2441	BL-B3441	BL-B5441	BL-BEX271	BL-BYX271

SCB-030 \square B



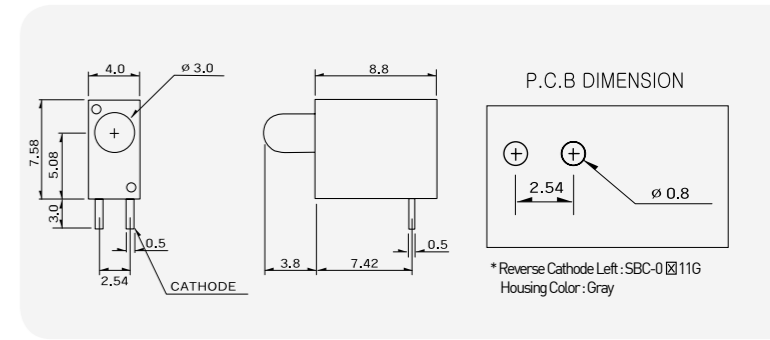
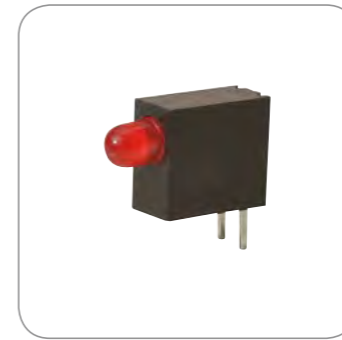
Model	SCB-0302B	SCB-0303B	SCB-0301B	SCB-0304B	SCB-0315B	SCB-0305B	SCB-0306B	SCB-0307B	SCB-0308B	SCB-0309B	SCB-0310B	SCB-3007B	SCB-3107B
LED Color	Green	Yellow	Red	Amber	Blue	Red (5V)	Green (5V)	Yellow (5V)	Red (Low)	Yellow (Low)	Green (Low)	Red / Green	Yellow / Green
LED Spec	BL-B2141K	BL-B3141K	BL-B5141K	BL-BA1141K	BL-BB41V1E	BR-B4541K-05V	BR-B2141K-05V	BR-B3141K-05V	BL-B4541K-L	BL-B3141K-L	BL-B2141K-L	BL-BEX271E	BL-BYX271E

SEA-0 \square 04S



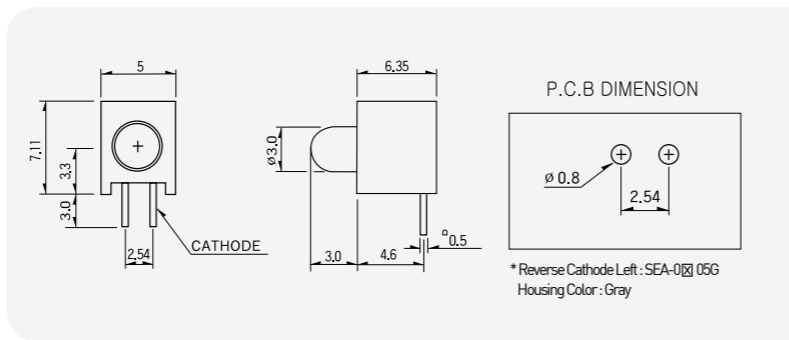
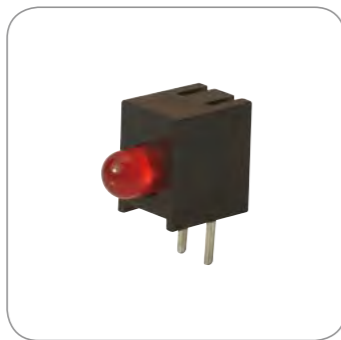
Model	SEA-0204S	SEA-0304S	SEA-0404S
LED Color	Green	Yellow	Red
LED Spec	BL-S2149A	BL-S3149A	BL-S5149A

SBC-0 \square 11B



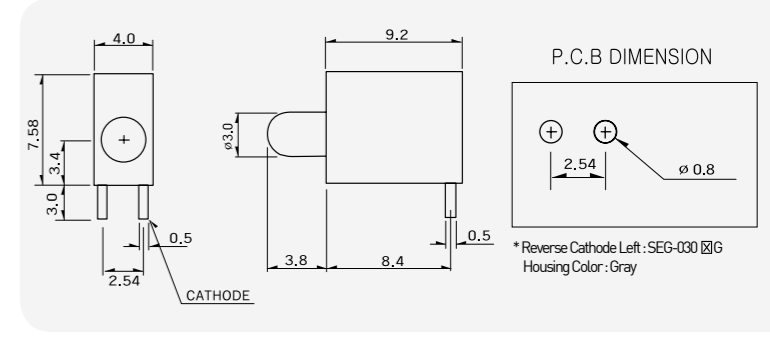
Model	SBC-0211B	SBC-0311B	SBC-0411B	SBC-0511B	SBC-1511B	SBC-0611B	SBC-0711B	SBC-0811B	SBC-0911B	SBC-1011B	SBC-1111B	SBC-3011B	SBC-3111B
LED Color	Green	Yellow	Red	Amber	Blue	Red (5V)	Green (5V)	Yellow (5V)	Red (Low)	Yellow (Low)	Green (Low)	Red / Green	Yellow / Green
LED Spec	BL-B2141K	BL-B3141K	BL-B5141K	BL-BA1141K	BL-BB41V1E	BR-B4541K-05V	BR-B2141K-05V	BR-B3141K-05V	BL-B4541K-L	BL-B3141K-L	BL-B2141K-L	BL-BEX271E	BL-BYX271E

SEF-0 \square 05



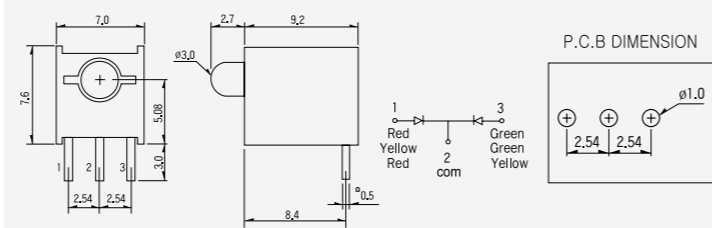
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LED Color	Green	Yellow	Red	Amber	Red (5V)	Green (5V)	Yellow (5V)	Blue	Red (Low)	Yellow (Low)	Green (Low)	Red / Green	Yellow / Green
LED Spec	BL-B2141K	BL-B3141K	BL-B5141K	BL-BA1141K	BR-B4541K-05V	BR-B2141K-05V	BR-B3141K-05V	BL-BB41V1E	BL-B4541K-L	BL-B3141K-L	BL-B2141K-L	BL-BEX271E	BL-BYX271E

SEG-030 \square B



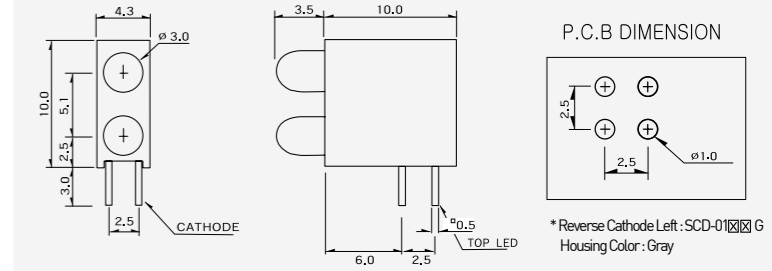
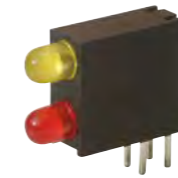
Model	SEG-0302B	SEG-0303B	SEG-0301B	SEG-0304B	SEG-0315B	SEG-0305B	SEG-0306B	SEG-0307B	SEG-0308B	SEG-0309B	SEG-0310B	SEG-3007B	SEG-3107B
LED Color	Green	Yellow	Red	Amber	Blue	Red (5V)	Green (5V)	Yellow (5V)	Red (Low)	Yellow (Low)	Green (Low)	Red / Green	Yellow / Green
LED Spec	BL-B2141K	BL-B3141K	BL-B5141K	BL-BA1141K	BL-BB41V1E	BR-B4541K-05V	BR-B2141K-05V	BR-B3141K-05V	BL-B4541K-L	BL-B3141K-L	BL-B2141K-L	BL-BEX271E	BL-BYX271E

SER-3 \times 10



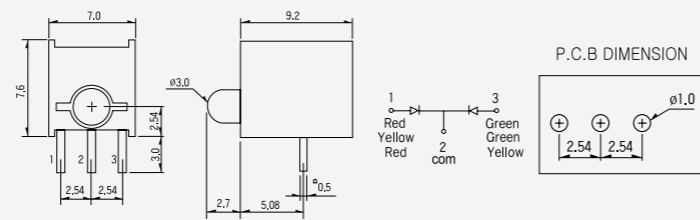
Model	SER-3510	SER-3610	SER-3710
LED Color	Red/Green	Yellow/Green	Red/Yellow
LED Spec	BL-BEG201	BL-BYG201	BL-BEY201

SCD-01 \times \times



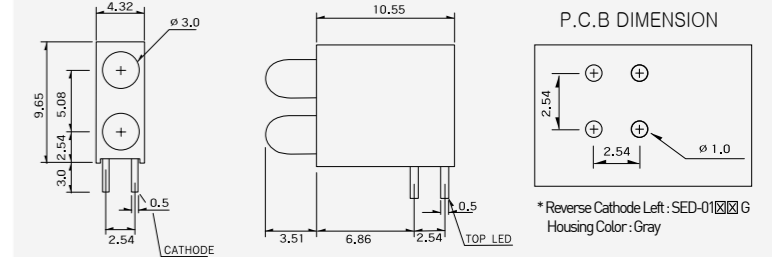
Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SRE-3 \times 10



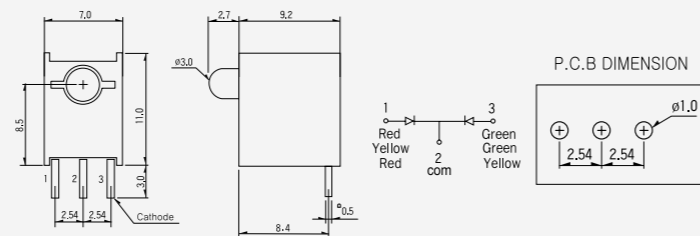
Model	SRE-3510	SRE-3610	SRE-3710
LED Color	Red/Green	Yellow/Green	Red/Yellow
LED Spec	BL-BEG201	BL-BYG201	BL-BEY201

SED-01 \times \times



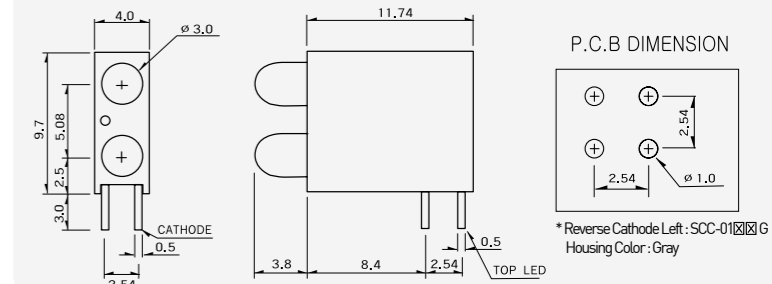
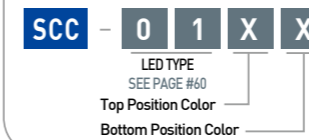
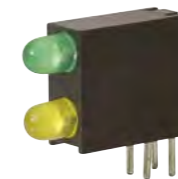
Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SEL-3 \times 10



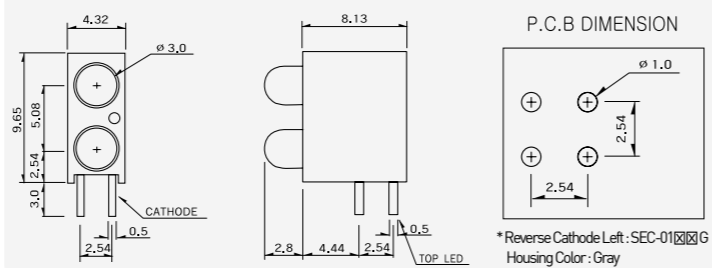
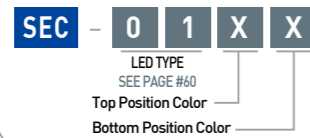
Model	SEL-3510	SEL-3610	SEL-3710
LED Color	Red/Green	Yellow/Green	Red/Yellow
LED Spec	BL-BEG201	BL-BYG201	BL-BEY201

SCC-01 \times \times



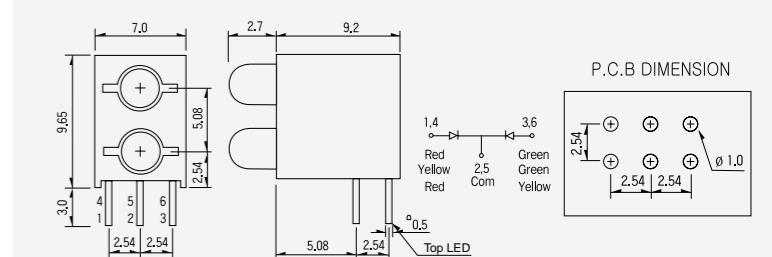
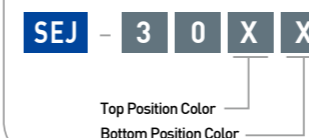
Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SEC-01 \times \times



Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SEJ-30 \times \times



MODEL	0	5	6	7
LED Color	Blank	Red/Green	Yellow/Green	Red/Yellow
LED Spec		BL-BEG201	BL-BYG201	BL-BEY201

LED MODULE (ϕ 3)



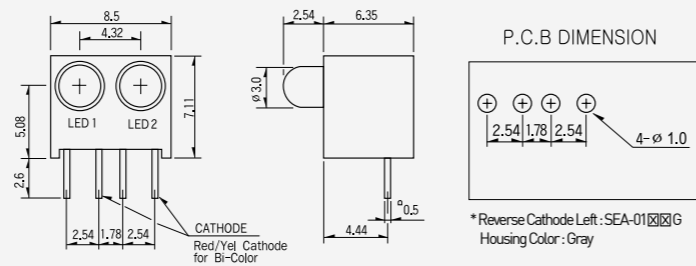
LED MODULE (ϕ 3)



SEA-01-XX



SEA - 0 1 X X
LED TYPE SEE PAGE #60
LED 1 LED 2

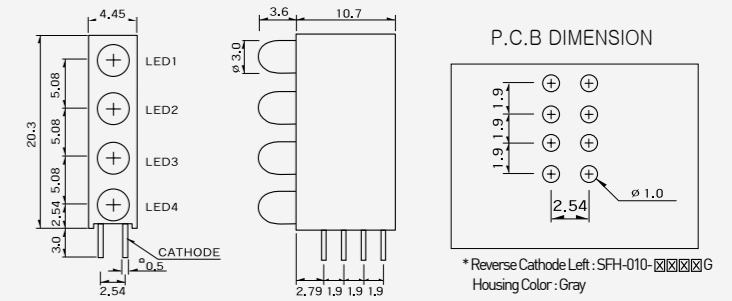


Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SFH-010-XXXX



SFH - 0 1 0 - X X X X
LED TYPE SEE PAGE #60
LED 1 LED 2 LED 3 LED 4

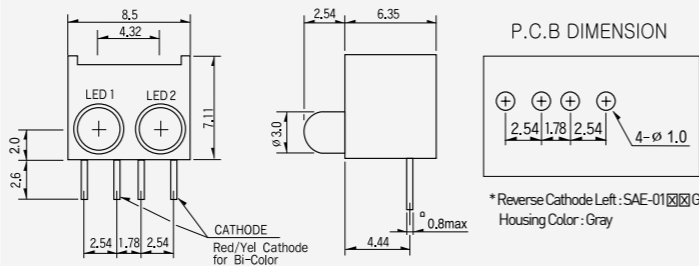


Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SAE-01-XX



SAE - 0 1 X X
LED TYPE SEE PAGE #60
LED 1 LED 2

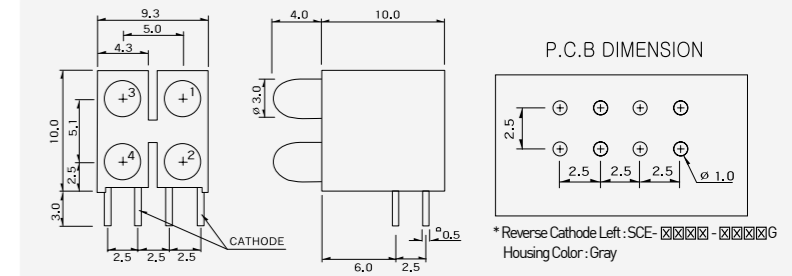


Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SCE-XXXX-01



SCE - X X X X - 0 1
LED 1 LED 2 LED 3 LED 4 LED TYPE SEE PAGE #60

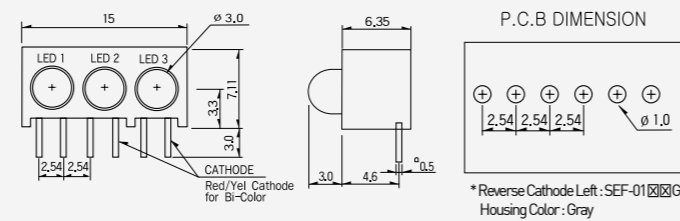


Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SEF-01-XXXX

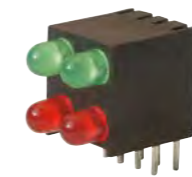


SEF - 0 1 - X X X
LED TYPE SEE PAGE #60
LED 1 LED 2 LED 3

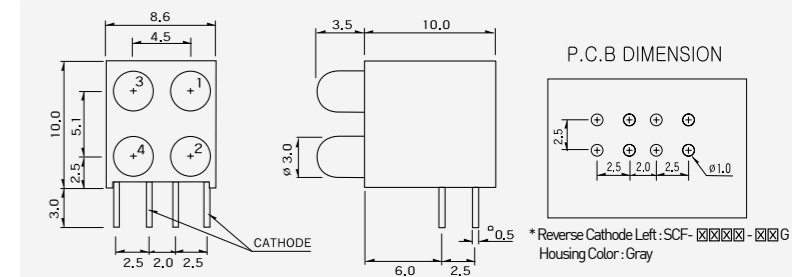


Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SCF-XXXX-01

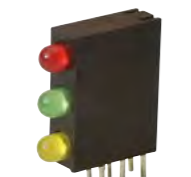


SCF - X X X X - 0 1
LED 1 LED 2 LED 3 LED 4 LED TYPE SEE PAGE #60

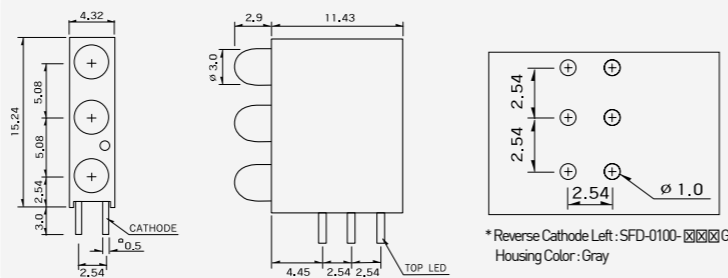


Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SFD-0100-XXXX



SFD - 0 1 0 0 - X X X X
LED TYPE SEE PAGE #60
Top LED Position
Middle LED Position
Bottom LED Position

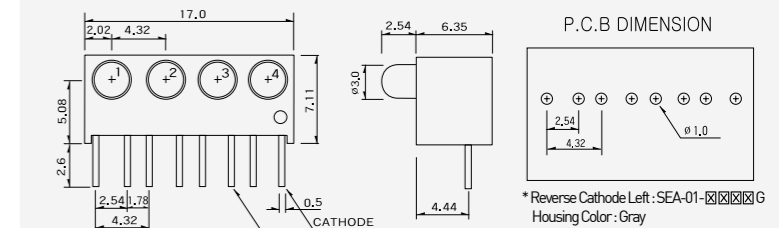


Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SEA-01-XXXX

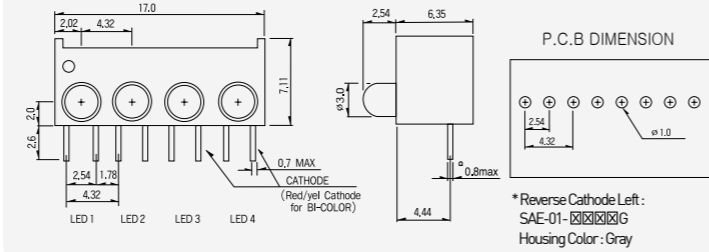
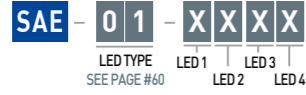


SEA - 0 1 - X X X X
LED TYPE SEE PAGE #60
LED 1 LED 2 LED 3 LED 4



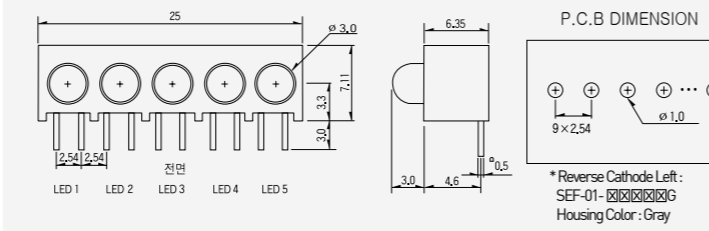
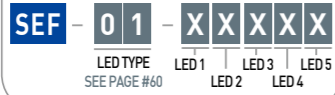
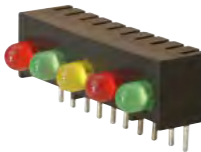
MODEL	1	2	3	4	SAA-0312-04	SAA-0332-04	8	9
LED Color	Red	Green	Yellow	Amber	Red/Green	Yellow/Green	Blue	White

SAE-01-XXXX



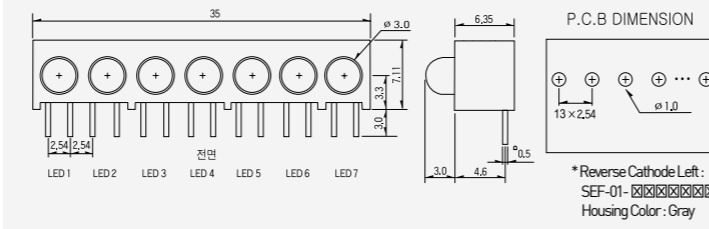
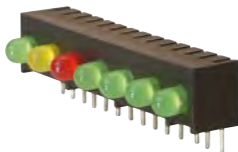
Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SEF-01-XXXX



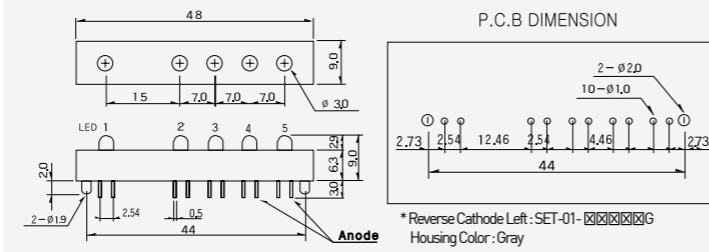
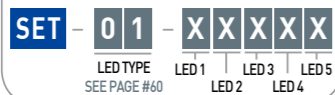
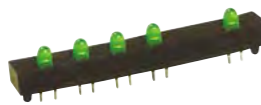
Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SEF-01-XXXXX



Number	0	1 (Bi-Color)	2	3	4 (Bi-Color)	8	9
Color	Blank	Red (Red/Green)	Green	Yellow	Amber (Yellow/Green)	Blue	White

SET-01-XXXX



MODEL	0	1	2	3	4	5	6	7	8
LED Color	Blank	Red	Green	Yellow	Amber	Blue	Red/Green	Yellow/Green	Blue Water Clear
LED Spec	.	BL-B5141	BL-B2141	BL-B3141	BL-BA1141	BL-BB33V1	BL-BE271	BL-BY271	B1-BB33V1