

Binning and Labeling

Description

The Acriche series of devices are designed for ease of implementation and readily connect to AC sources emitting very high flux while avoiding power losses associated with AC to regulated DC conversion.



Acriche is a long-lasting, environmentally friendly semiconductor light source that can be attached either directly to AC voltages, or as with the A4, to a simple diode bridge (see "Basic Connection" in this document).

Acriche's thermal management exceeds other power LED solutions incorporating state-of-the-art SMD technology, thermal path design, and materials.

Whether designing a spot light or tiled array the Acriche A4 is an ideal light source for general purpose illumination applications.

This application note provides binning and labeling information of A4 series. It includes the A4 bins for luminous flux, color coordinates and correlated color temperature for white.

SAWX4A0X

Features

- Connect directly in AC power
- Power Saving
- Long Life Time
- Simple BOM
- Miniaturization
- Low thermal resistance
- SMT solderability
- Lead Free product
- RoHS compliant

Applications

- Architectural lighting
- Residential lighting
- Task lighting
- Decorative / Pathway lighting

Contents





1. Part number
2. Code labeling
3. Order code


Part number

1. Part Number form : SA X₁ X₂ X₃ X₄ X₅X₆ – X₇X₈X₉X₁₀X₁₁

X ₁ X ₂	Color	W0	Cool white
		W8	Warm white
X ₃	Acriche series	4	A4 series
X ₄	Voltage	A	50 / 55V,RMS
X ₅	PCB type	O	Emitter
X ₆	-	X	Internal code
X ₇ X ₈	Brightness bin	-	-
X ₉ X ₁₀	Color bin	-	-
X ₁₁	VF bin	-	-

2. Sticker Diagram on Reel & Aluminum Vinyl Bag

PART NO. : S A X₁ X₂ X₃ X₄ X₅ X₆

 QUANTITY : ###

 LOT NUMBER : #####

 BIN CODE : X₇X₈ X₉ X₁₀ X₁₁


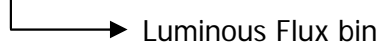


Code labeling

1. Luminous Flux Bins

• **Example**

BIN CODE : **S2**A1C



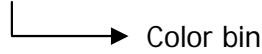
1-1 Bin structure for emitter

Bin code	Luminous Flux [lm]
R	41.5 ~ 54.0
S1	54.0 ~ 60.0
S2	60.0 ~ 70.0
T1	70.0 ~ 80.0
T2	80.0 ~ 91.0

2. Color Bins

· **Example**

BIN CODE : S2**A1**C



2-1 Bin structure for cool white

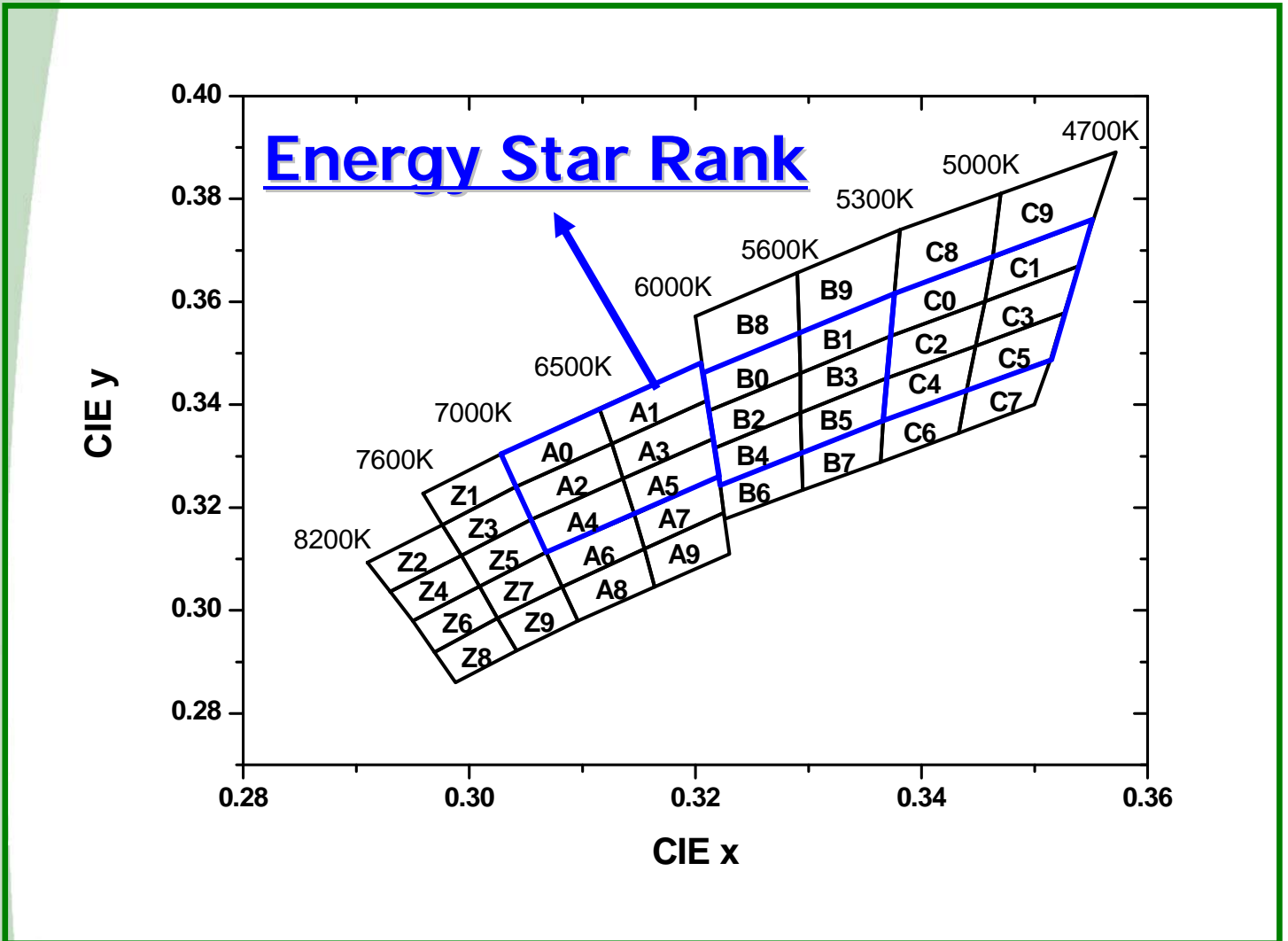
Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)
Z2	0.2910	0.3093	8200~ 7600K	A0	0.3028	0.3304	7000~ 6500K	B8	0.3200	0.3572	6000~ 5600K	C8	0.3381	0.3740	5300~ 5000K
	0.2930	0.3037			0.3041	0.3240			0.3207	0.3462			0.3470	0.3810	
	0.2993	0.3107			0.3126	0.3324			0.3292	0.3539			0.3463	0.3687	
	0.2976	0.3166			0.3115	0.3393			0.3290	0.3656			0.3376	0.3616	
Z4	0.2930	0.3037	8200~ 7600K	A2	0.3041	0.3240	7000~ 6500K	B0	0.3207	0.3462	6000~ 5600K	C0	0.3376	0.3616	5300~ 5000K
	0.2950	0.2980			0.3055	0.3177			0.3212	0.3389			0.3373	0.3534	
	0.3009	0.3047			0.3136	0.3256			0.3293	0.3461			0.3456	0.3601	
	0.2993	0.3107			0.3126	0.3324			0.3292	0.3539			0.3463	0.3687	
Z6	0.2950	0.2980	8200~ 7600K	A4	0.3055	0.3177	7000~ 6500K	B2	0.3212	0.3389	6000~ 5600K	C2	0.3373	0.3534	5300~ 5000K
	0.2969	0.2919			0.3068	0.3113			0.3217	0.3316			0.3369	0.3451	
	0.3025	0.2985			0.3146	0.3187			0.3293	0.3384			0.3448	0.3514	
	0.3009	0.3047			0.3136	0.3256			0.3293	0.3461			0.3456	0.3601	
Z8	0.2969	0.2919	8200~ 7600K	A6	0.3068	0.3113	7000~ 6500K	B4	0.3217	0.3316	6000~ 5600K	C4	0.3369	0.3451	5300~ 5000K
	0.2988	0.2860			0.3082	0.3046			0.3222	0.3243			0.3366	0.3369	
	0.3042	0.2922			0.3155	0.3120			0.3294	0.3306			0.3440	0.3428	
	0.3025	0.2985			0.3146	0.3187			0.3293	0.3384			0.3448	0.3514	
Z1	0.2959	0.3227	7600~ 7000K	A8	0.3082	0.3046	7000~ 6500K	B6	0.3222	0.3243	6000~ 5600K	C6	0.3366	0.3369	5300~ 5000K
	0.2976	0.3166			0.3096	0.2980			0.3226	0.3178			0.3364	0.3288	
	0.3041	0.3240			0.3164	0.3046			0.3295	0.3234			0.3433	0.3345	
	0.3028	0.3304			0.3155	0.3120			0.3294	0.3306			0.3440	0.3428	
Z3	0.2976	0.3166	7600~ 7000K	A1	0.3115	0.3393	6500~ 6000K	B9	0.3290	0.3656	5600~ 5300K	C9	0.3470	0.3810	5000~ 4700K
	0.2993	0.3107			0.3126	0.3324			0.3292	0.3539			0.3572	0.3891	
	0.3055	0.3177			0.3210	0.3408			0.3376	0.3616			0.3552	0.3760	
	0.3041	0.3240			0.3205	0.3481			0.3381	0.3740			0.3463	0.3687	
Z5	0.2993	0.3107	7600~ 7000K	A3	0.3126	0.3324	6500~ 6000K	B1	0.3292	0.3539	5600~ 5300K	C1	0.3463	0.3687	5000~ 4700K
	0.3009	0.3047			0.3136	0.3256			0.3293	0.3461			0.3456	0.3601	
	0.3068	0.3113			0.3216	0.3334			0.3373	0.3534			0.3539	0.3669	
	0.3055	0.3177			0.3210	0.3408			0.3376	0.3616			0.3552	0.3760	
Z7	0.3009	0.3047	7600~ 7000K	A5	0.3136	0.3256	6500~ 6000K	B3	0.3293	0.3461	5600~ 5300K	C3	0.3456	0.3601	5000~ 4700K
	0.3025	0.2985			0.3146	0.3187			0.3293	0.3384			0.3448	0.3514	
	0.3082	0.3046			0.3221	0.3261			0.3369	0.3451			0.3526	0.3578	
	0.3068	0.3113			0.3216	0.3334			0.3373	0.3534			0.3539	0.3669	
Z9	0.3025	0.2985	7600~ 7000K	A7	0.3146	0.3187	6500~ 6000K	B5	0.3293	0.3384	5600~ 5300K	C5	0.3448	0.3514	5000~ 4700K
	0.3042	0.2922			0.3155	0.3120			0.3294	0.3306			0.3440	0.3428	
	0.3096	0.2980			0.3225	0.3190			0.3366	0.3369			0.3514	0.3487	
	0.3082	0.3046			0.3221	0.3261			0.3369	0.3451			0.3526	0.3578	
				A9	0.3155	0.3120	6500~ 6000K	B7	0.3294	0.3306	5600~ 5300K	C7	0.3440	0.3428	5000~ 4700K
					0.3164	0.3046			0.3295	0.3234			0.3433	0.3345	
					0.3230	0.3110			0.3364	0.3288			0.3500	0.3400	
					0.3225	0.3190			0.3366	0.3369			0.3514	0.3487	

Tolerance

Color coordinate : ±0.005

CCT : ±5% of value

2-2 Cool white binning structure graphical representation

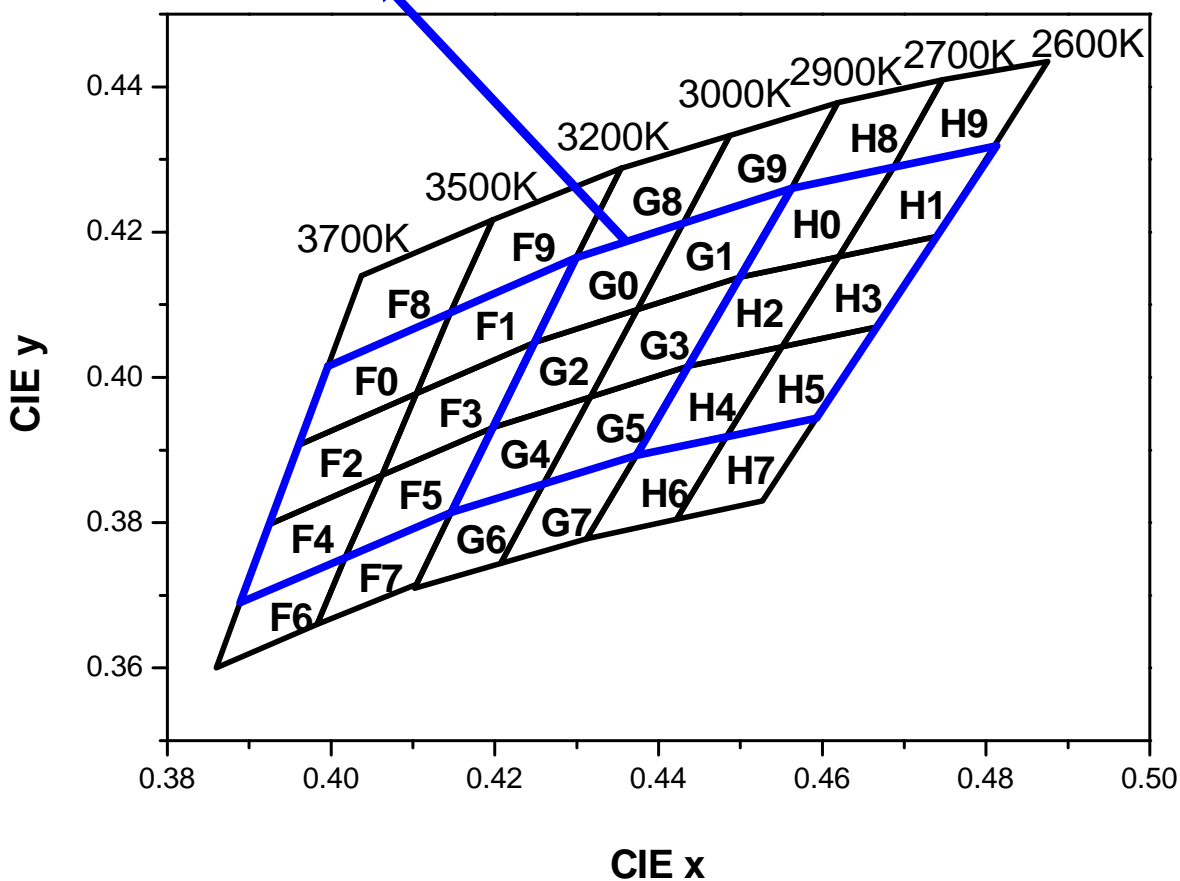


2-3 Bin structure for warm white

Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)
F8	0.4037	0.414	3700~ 3500K	G8	0.4354	0.4288	3200~ 3000K	H8	0.4619	0.4378	2900~ 2700K
	0.3996	0.4015			0.4299	0.4165			0.4562	0.426	
	0.4146	0.4089			0.443	0.4212			0.4687	0.4289	
	0.4197	0.4217			0.4487	0.4333			0.4747	0.441	
F0	0.3996	0.4015	3700~ 3500K	G0	0.4299	0.4165	3200~ 3000K	H0	0.4562	0.426	2900~ 2700K
	0.396	0.3907			0.4248	0.4048			0.4499	0.4138	
	0.4104	0.3978			0.4374	0.4093			0.462	0.4166	
	0.4146	0.4089			0.443	0.4212			0.4687	0.4289	
F2	0.396	0.3907	3700~ 3500K	G2	0.4248	0.4048	3200~ 3000K	H2	0.4499	0.4138	2900~ 2700K
	0.3925	0.3798			0.4198	0.3931			0.4436	0.4015	
	0.4062	0.3865			0.4317	0.3973			0.4551	0.4042	
	0.4104	0.3978			0.4374	0.4093			0.462	0.4166	
F4	0.3925	0.3798	3700~ 3500K	G4	0.4198	0.3931	3200~ 3000K	H4	0.4436	0.4015	2900~ 2700K
	0.3889	0.369			0.4147	0.3814			0.4373	0.3893	
	0.4017	0.3751			0.4259	0.3853			0.4483	0.3919	
	0.4062	0.3865			0.4317	0.3973			0.4551	0.4042	
F6	0.3889	0.369	3700~ 3500K	G6	0.4147	0.3814	3200~ 3000K	H6	0.4373	0.3893	2900~ 2700K
	0.386	0.36			0.4102	0.371			0.4312	0.3778	
	0.3983	0.366			0.4207	0.3744			0.4422	0.3805	
	0.4017	0.3751			0.4259	0.3853			0.4483	0.3919	
F9	0.4197	0.4217	3500~ 3200K	G9	0.4487	0.4333	3000~ 2900K	H9	0.4747	0.441	2700~ 2600K
	0.4146	0.4089			0.443	0.4212			0.4687	0.4289	
	0.4299	0.4165			0.4562	0.426			0.481	0.4319	
	0.4354	0.4288			0.4619	0.4378			0.4875	0.4435	
F1	0.4146	0.4089	3500~ 3200K	G1	0.443	0.4212	3000~ 2900K	H1	0.4687	0.4289	2700~ 2600K
	0.4104	0.3978			0.4374	0.4093			0.462	0.4166	
	0.4248	0.4048			0.4499	0.4138			0.474	0.4194	
	0.4299	0.4165			0.4562	0.426			0.481	0.4319	
F3	0.4104	0.3978	3500~ 3200K	G3	0.4374	0.4093	3000~ 2900K	H3	0.462	0.4166	2700~ 2600K
	0.4062	0.3865			0.4317	0.3973			0.4551	0.4042	
	0.4198	0.3931			0.4436	0.4015			0.4666	0.4069	
	0.4248	0.4048			0.4499	0.4138			0.474	0.4194	
F5	0.4062	0.3865	3500~ 3200K	G5	0.4317	0.3973	3000~ 2900K	H5	0.4551	0.4042	2700~ 2600K
	0.4017	0.3751			0.4259	0.3853			0.4483	0.3919	
	0.4147	0.3814			0.4373	0.3893			0.4593	0.3944	
	0.4198	0.3931			0.4436	0.4015			0.4666	0.4069	
F7	0.4017	0.3751	3500~ 3200K	G7	0.4259	0.3853	3000~ 2900K	H7	0.4483	0.3919	2700~ 2600K
	0.3983	0.366			0.4207	0.3744			0.4422	0.3805	
	0.4104	0.3715			0.4312	0.3778			0.4527	0.383	
	0.4147	0.3814			0.4373	0.3893			0.4593	0.3944	

2-4 Warm white binning structure graphical representation

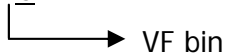
Energy Star Rank



3. VF Bins

• **Example**

BIN CODE : S2A1**C**



3-1 External resistor table (New)

* Part Number: SAW04A0A (AW4240-01)

SAW84A0C (AN4240-03)

Operating voltage [V,RMS]	Power dissipation [W]	VF bins			
		A	B	C	D
100	2	630	500	370	240
	4	315	250	185	120
110	2	1070	940	810	680
	4	535	470	405	340
120	2	1510	1380	1250	1120
	4	755	690	625	560
220	4	2200	1940	1680	1420
230	4	2640	2380	2120	1860
240	4	3080	2820	2540	2280

3-2 External resistor table

Unit [ohm]

* Part Number: SAW84A0B (AN4240-02)

Operating voltage [V,RMS]	Power dissipation [W]	VF bins			
		A	B	C	D
100	2	800	770	740	700
	4	410	390	370	350
110	2	1270	1230	1180	1140
	4	640	610	590	570
220	4	2550	2460	2360	2270
230	4	3000	2920	2850	2770

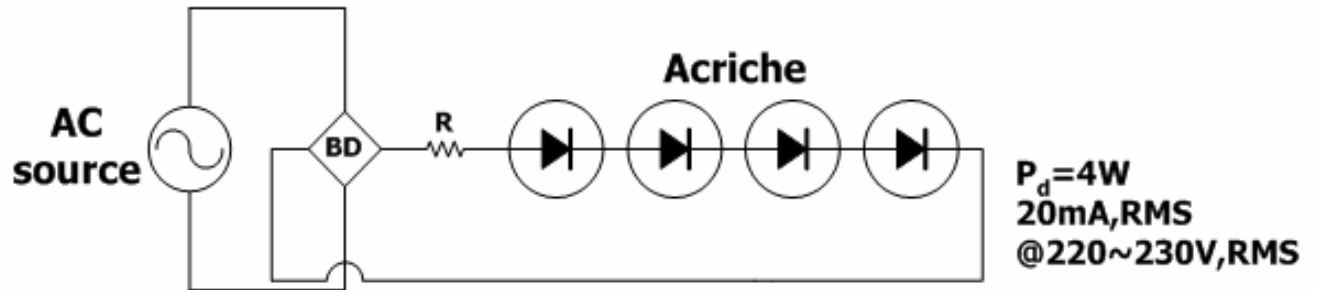
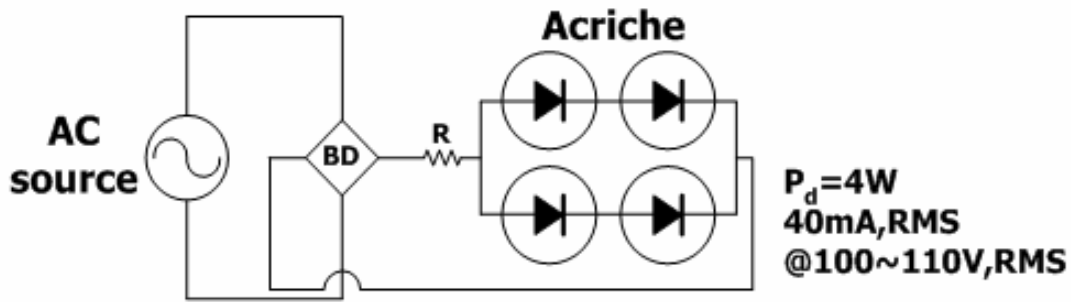
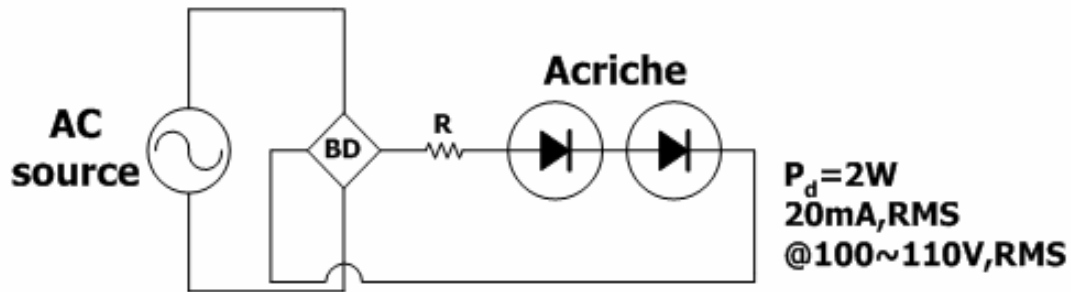
Unit [ohm]

* Notes :

[1] A4 series need bridge diode and external resistor.

[2] The tolerance of current is $\pm 10\%$ on each resistance rank.

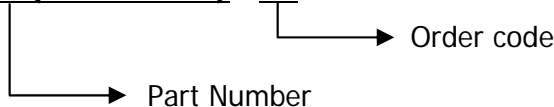
3-3 Basic connections of SAWX40X for AC source



Oder code

A4 series has an order code, use it as follows to purchase.

· Example : **SAW04A0A (AW4240-01) - 1A**



Cool White

Standard Order Codes for Pure white						
Order Code	LF	CC	VF	Bin Codes		
Part No. - 1A	S2 T1 T2*	Z2	A B C D	S2Z2A~S2Z2D	T1Z2A~T1Z2D	T2Z2A~T2Z2D
		Z4		S2Z4A~S2Z4D	T1Z4A~T1Z4D	T2Z4A~T2Z4D
		Z1		S2Z1A~S2Z1D	T1Z1A~T1Z1D	T2Z1A~T2Z1D
		Z3		S2Z3A~S2Z3D	T1Z3A~T1Z3D	T2Z3A~T2Z3D
		Z5		S2Z5A~S2Z5D	T1Z5A~T1Z5D	T2Z5A~T2Z5D
Part No. - 1B	S2 T1 T2*	Z1	A B C D	S2Z1A~S2Z1D	T1Z1A~T1Z1D	T2Z1A~T2Z1D
		Z3		S2Z3A~S2Z3D	T1Z3A~T1Z3D	T2Z3A~T2Z3D
		Z5		S2Z5A~S2Z5D	T1Z5A~T1Z5D	T2Z5A~T2Z5D
		A0		S2A0A~S2A0D	T1A0A~T1A0D	T2A0A~T2A0D
		A2		S2A2A~S2A2D	T1A2A~T1A2D	T2A2A~T2A2D
Part No. - 1C	S2 T1 T2*	A0	A B C D	S2A0A~S2A0D	T1A0A~T1A0D	T2A0A~T2A0D
		A2		S2A2A~S2A2D	T1A2A~T1A2D	T2A2A~T2A2D
		A4		S2A4A~S2A4D	T1A4A~T1A4D	T2A4A~T2A4D
		A1		S2A1A~S2A1D	T1A1A~T1A1D	T2A1A~T2A1D
		A3		S2A3A~S2A3D	T1A3A~T1A3D	T2A3A~T2A3D
Part No. - 1D	S2 T1 T2*	A5	A B C D	S2A5A~S2A5D	T1A5A~T1A5D	T2A5A~T2A5D
		A1		S2A1A~S2A1D	T1A1A~T1A1D	T2A1A~T2A1D
		A3		S2A3A~S2A3D	T1A3A~T1A3D	T2A3A~T2A3D
		A5		S2A5A~S2A5D	T1A5A~T1A5D	T2A5A~T2A5D
		B0		S2B0A~S2B0D	T1B0A~T1B0D	T2B0A~T2B0D
Part No. - 1E	S2 T1 T2*	B2	A B C D	S2B2A~S2B2D	T1B2A~T1B2D	T2B2A~T2B2D
		B4		S2B4A~S2B4D	T1B4A~T1B4D	T2B4A~T2B4D
		B1		S2B1A~S2B1D	T1B1A~T1B1D	T2B1A~T2B1D
		B3		S2B3A~S2B3D	T1B3A~T1B3D	T2B3A~T2B3D
		B5		S2B5A~S2B5D	T1B5A~T1B5D	T2B5A~T2B5D
Part No. - 1F	S2 T1 T2*	B1	A B C D	S2B1A~S2B1D	T1B1A~T1B1D	T2B1A~T2B1D
		B3		S2B3A~S2B3D	T1B3A~T1B3D	T2B3A~T2B3D
		B5		S2B5A~S2B5D	T1B5A~T1B5D	T2B5A~T2B5D
		C0		S2C0A~S2C0D	T1C0A~T1C0D	T2C0A~T2C0D
		C2		S2C2A~S2C2D	T1C2A~T1C2D	T2C2A~T2C2D
Part No. - 1G	S2 T1 T2*	C4	A B C D	S2C4A~S2C4D	T1C4A~T1C4D	T2C4A~T2C4D
		C1		S2C1A~S2C1D	T1C1A~T1C1D	T2C1A~T2C1D
		C3		S2C3A~S2C3D	T1C3A~T1C3D	T2C3A~T2C3D
		C5		S2C5A~S2C5D	T1C5A~T1C5D	T2C5A~T2C5D
		C0		S2C0A~S2C0D	T1C0A~T1C0D	T2C0A~T2C0D

* : Not yet available

Rev. 02

December 2010

www.acriche.com

서식번호 : SSC-QP-7-07-25 (Rev.00)

Cool White

Order Code	LF	CC	VF	Bin Codes		
Part No. - 2A	S2 T1 T2*	A1	A B C D	S2A1A~S2A1D	T1A1A~T1A1D	T2A1A~T2A1D
		A3		S2A3A~S2A3D	T1A3A~T1A3D	T2A3A~T2A3D
		A5		S2A5A~S2A5D	T1A5A~T1A5D	T2A5A~T2A5D
		B8		S2B8A~S2B8D	T1B8A~T1B8D	T2B8A~T2B8D
		B0		S2B0A~S2B0D	T1B0A~T1B0D	T2B0A~T2B0D
		B2		S2B2A~S2B2D	T1B2A~T1B2D	T2B2A~T2B2D
Part No. - 2B	S2 T1 T2*	B8	A B C D	S2B8A~S2B8D	T1B8A~T1B8D	T2B8A~T2B8D
		B0		S2B0A~S2B0D	T1B0A~T1B0D	T2B0A~T2B0D
		B2		S2B2A~S2B2D	T1B2A~T1B2D	T2B2A~T2B2D
		B9		S2B9A~S2B9D	T1B9A~T1B9D	T2B9A~T2B9D
		B1		S2B1A~S2B1D	T1B1A~T1B1D	T2B1A~T2B1D
		B3		S2B3A~S2B3D	T1B3A~T1B3D	T2B3A~T2B3D
Part No. - 2C	S2 T1 T2*	B9	A B C D	S2B9A~S2B9D	T1B9A~T1B9D	T2B9A~T2B9D
		B1		S2B1A~S2B1D	T1B1A~T1B1D	T2B1A~T2B1D
		B3		S2B3A~S2B3D	T1B3A~T1B3D	T2B3A~T2B3D
		C8		S2C8A~S2C8D	T1C8A~T1C8D	T2C8A~T2C8D
		C0		S2C0A~S2C0D	T1C0A~T1C0D	T2C0A~T2C0D
		C2		S2C2A~S2C2D	T1C2A~T1C2D	T2C2A~T2C2D
Part No. - 2D	S2 T1 T2*	C8	A B C D	S2C8A~S2C8D	T1C8A~T1C8D	T2C8A~T2C8D
		C0		S2C0A~S2C0D	T1C0A~T1C0D	T2C0A~T2C0D
		C2		S2C2A~S2C2D	T1C2A~T1C2D	T2C2A~T2C2D
		C9		S2C9A~S2C9D	T1C9A~T1C9D	T2C9A~T2C9D
		C1		S2C1A~S2C1D	T1C1A~T1C1D	T2C1A~T2C1D
		C3		S2C3A~S2C3D	T1C3A~T1C3D	T2C3A~T2C3D

* : Not yet available

Rev. 02

December 2010

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서식번호 : SSC-QP-7-07-25 (Rev.00)

Cool White

Standard Order Codes for Pure white						
Order Code	LF	CC	VF	Bin Codes		
Part No. - 3A	S2 T1 T2*	Z2	A B C D	S2Z2A~S2Z2D	T1Z2A~T1Z2D	T2Z2A~T2Z2D
		Z4		S2Z4A~S2Z4D	T1Z4A~T1Z4D	T2Z4A~T2Z4D
		Z6		S2Z6A~S2Z6D	T1Z6A~T1Z6D	T2Z6A~T2Z6D
		Z3		S2Z3A~S2Z3D	T1Z3A~T1Z3D	T2Z3A~T2Z3D
		Z5		S2Z5A~S2Z5D	T1Z5A~T1Z5D	T2Z5A~T2Z5D
		Z7		S2Z7A~S2Z7D	T1Z7A~T1Z7D	T2Z7A~T2Z7D
Part No. - 3B	S2 T1 T2*	Z3	A B C D	S2Z3A~S2Z3D	T1Z3A~T1Z3D	T2Z3A~T2Z3D
		Z5		S2Z5A~S2Z5D	T1Z5A~T1Z5D	T2Z5A~T2Z5D
		Z7		S2Z7A~S2Z7D	T1Z7A~T1Z7D	T2Z7A~T2Z7D
		A2		S2A2A~S2A2D	T1A2A~T1A2D	T2A2A~T2A2D
		A4		S2A4A~S2A4D	T1A4A~T1A4D	T2A4A~T2A4D
		A6		S2A6A~S2A6D	T1A6A~T1A6D	T2A6A~T2A6D
Part No. - 3C	S2 T1 T2*	A2	A B C D	S2A2A~S2A2D	T1A2A~T1A2D	T2A2A~T2A2D
		A4		S2A4A~S2A4D	T1A4A~T1A4D	T2A4A~T2A4D
		A6		S2A6A~S2A6D	T1A6A~T1A6D	T2A6A~T2A6D
		A3		S2A3A~S2A3D	T1A3A~T1A3D	T2A3A~T2A3D
		A5		S2A5A~S2A5D	T1A5A~T1A5D	T2A5A~T2A5D
		A7		S2A7A~S2A7D	T1A7A~T1A7D	T2A7A~T2A7D
Part No. - 3D	S2 T1 T2*	A3	A B C D	S2A3A~S2A3D	T1A3A~T1A3D	T2A3A~T2A3D
		A5		S2A5A~S2A5D	T1A5A~T1A5D	T2A5A~T2A5D
		A7		S2A7A~S2A7D	T1A7A~T1A7D	T2A7A~T2A7D
		B0		S2B0A~S2B0D	T1B0A~T1B0D	T2B0A~T2B0D
		B2		S2B2A~S2B2D	T1B2A~T1B2D	T2B2A~T2B2D
		B4		S2B4A~S2B4D	T1B4A~T1B4D	T2B4A~T2B4D
Part No. - 3E	S2 T1 T2*	A3	A B C D	S2A3A~S2A3D	T1A3A~T1A3D	T2A3A~T2A3D
		A5		S2A5A~S2A5D	T1A5A~T1A5D	T2A5A~T2A5D
		A7		S2A7A~S2A7D	T1A7A~T1A7D	T2A7A~T2A7D
		B2		S2B2A~S2B2D	T1B2A~T1B2D	T2B2A~T2B2D
		B4		S2B4A~S2B4D	T1B4A~T1B4D	T2B4A~T2B4D
		B6		S2B6A~S2B6D	T1B6A~T1B6D	T2B6A~T2B6D

* : Not yet available

Rev. 02

December 2010

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서식번호 : SSC-QP-7-07-25 (Rev.00)

Cool White

Standard Order Codes for Pure white						
Order Code	LF	CC	VF	Bin Codes		
Part No. - 4A	S2 T1 T2*	Z4	A B C D	S2Z4A~S2Z4D	T1Z4A~T1Z4D	T2Z4A~T2Z4D
		Z6		S2Z6A~S2Z6D	T1Z6A~T1Z6D	T2Z6A~T2Z6D
		Z8		S2Z8A~S2Z8D	T1Z8A~T1Z8D	T2Z8A~T2Z8D
		Z5		S2Z5A~S2Z5D	T1Z5A~T1Z5D	T2Z5A~T2Z5D
		Z7		S2Z7A~S2Z7D	T1Z7A~T1Z7D	T2Z7A~T2Z7D
		Z9		S2Z9A~S2Z9D	T1Z9A~T1Z9D	T2Z9A~T2Z9D
Part No. - 4B	S2 T1 T2*	Z5	A B C D	S2Z5A~S2Z5D	T1Z5A~T1Z5D	T2Z5A~T2Z5D
		Z7		S2Z7A~S2Z7D	T1Z7A~T1Z7D	T2Z7A~T2Z7D
		Z9		S2Z9A~S2Z9D	T1Z9A~T1Z9D	T2Z9A~T2Z9D
		A4		S2A4A~S2A4D	T1A4A~T1A4D	T2A4A~T2A4D
		A6		S2A6A~S2A6D	T1A6A~T1A6D	T2A6A~T2A6D
		A8		S2A8A~S2A8D	T1A8A~T1A8D	T2A8A~T2A8D
Part No. - 4C	S2 T1 T2*	A4	A B C D	S2A4A~S2A4D	T1A4A~T1A4D	T2A4A~T2A4D
		A6		S2A6A~S2A6D	T1A6A~T1A6D	T2A6A~T2A6D
		A8		S2A8A~S2A8D	T1A8A~T1A8D	T2A8A~T2A8D
		A5		S2A5A~S2A5D	T1A5A~T1A5D	T2A5A~T2A5D
		A7		S2A7A~S2A7D	T1A7A~T1A7D	T2A7A~T2A7D
		A9		S2A9A~S2A9D	T1A9A~T1A9D	T2A9A~T2A9D
Part No. - 4D	S2 T1 T2*	A5	A B C D	S2A5A~S2A5D	T1A5A~T1A5D	T2A5A~T2A5D
		A7		S2A7A~S2A7D	T1A7A~T1A7D	T2A7A~T2A7D
		A9		S2A9A~S2A9D	T1A9A~T1A9D	T2A9A~T2A9D
		B2		S2B2A~S2B2D	T1B2A~T1B2D	T2B2A~T2B2D
		B4		S2B4A~S2B4D	T1B4A~T1B4D	T2B4A~T2B4D
		B6		S2B6A~S2B6D	T1B6A~T1B6D	T2B6A~T2B6D
Part No. - 4E	S2 T1 T2*	B2	A B C D	S2B2A~S2B2D	T1B2A~T1B2D	T2B2A~T2B2D
		B4		S2B4A~S2B4D	T1B4A~T1B4D	T2B4A~T2B4D
		B6		S2B6A~S2B6D	T1B6A~T1B6D	T2B6A~T2B6D
		B3		S2B3A~S2B3D	T1B3A~T1B3D	T2B3A~T2B3D
		B5		S2B5A~S2B5D	T1B5A~T1B5D	T2B5A~T2B5D
		B7		S2B7A~S2B7D	T1B7A~T1B7D	T2B7A~T2B7D
Part No. - 4F	S2 T1 T2*	B3	A B C D	S2B3A~S2B3D	T1B3A~T1B3D	T2B3A~T2B3D
		B5		S2B5A~S2B5D	T1B5A~T1B5D	T2B5A~T2B5D
		B7		S2B7A~S2B7D	T1B7A~T1B7D	T2B7A~T2B7D
		C2		S2C2A~S2C2D	T1C2A~T1C2D	T2C2A~T2C2D
		C4		S2C4A~S2C4D	T1C4A~T1C4D	T2C4A~T2C4D
		C6		S2C6A~S2C6D	T1C6A~T1C6D	T2C6A~T2C6D
Part No. - 4G	S2 T1 T2*	C2	A B C D	S2C2A~S2C2D	T1C2A~T1C2D	T2C2A~T2C2D
		C4		S2C4A~S2C4D	T1C4A~T1C4D	T2C4A~T2C4D
		C6		S2C6A~S2C6D	T1C6A~T1C6D	T2C6A~T2C6D
		C3		S2C3A~S2C3D	T1C3A~T1C3D	T2C3A~T2C3D
		C5		S2C5A~S2C5D	T1C5A~T1C5D	T2C5A~T2C5D
		C7		S2C7A~S2C7D	T1C7A~T1C7D	T2C7A~T2C7D

* : Not yet available

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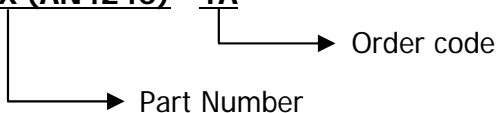
서식번호 : SSC-QP-7-07-25 (Rev.00)

Oder code

A4 series has an order code, use it as follows to purchase.

· Example : **SAW84A0X (AN4240) - 1A**

Warm White



Standard Order Codes for Warm white							
Order Code	LF	CC	VF	Bin Codes			
Part No. - 1A	R S1 S2 T1	F0	A B C D	RF0A~RF0D	S1F0A~S1F0D	S2F0A~S2F0D	T1F0A~T1F0D
		F2		RF2A~RF2D	S1F2A~S1F2D	S2F2A~S2F2D	T1F2A~T1F2D
		F4		RF4A~RF4D	S1F4A~S1F4D	S2F4A~S2F4D	T1F4A~T1F4D
		F1		RF1A~RF1D	S1F1A~S1F1D	S2F1A~S2F1D	T1F1A~T1F1D
		F3		RF3A~RF3D	S1F3A~S1F3D	S2F3A~S2F3D	T1F3A~T1F3D
		F5		RF5A~RF5D	S1F5A~S1F5D	S2F5A~S2F5D	T1F5A~T1F5D
Part No. - 1B	R S1 S2 T1	F1	A B C D	RF1A~RF1D	S1F1A~S1F1D	S2F1A~S2F1D	T1F1A~T1F1D
		F3		RF3A~RF3D	S1F3A~S1F3D	S2F3A~S2F3D	T1F3A~T1F3D
		F5		RF5A~RF5D	S1F5A~S1F5D	S2F5A~S2F5D	T1F5A~T1F5D
		G0		RG0A~RG0D	S1G0A~S1G0D	S2G0A~S2G0D	T1G0A~T1G0D
		G2		RG2A~RG2D	S1G2A~S1G2D	S2G2A~S2G2D	T1G2A~T1G2D
		G4		RG4A~RG4D	S1G4A~S1G4D	S2G4A~S2G4D	T1G4A~T1G4D
Part No. - 1C	R S1 S2 T1	G0	A B C D	RG0A~RG0D	S1G0A~S1G0D	S2G0A~S2G0D	T1G0A~T1G0D
		G2		RG2A~RG2D	S1G2A~S1G2D	S2G2A~S2G2D	T1G2A~T1G2D
		G4		RG4A~RG4D	S1G4A~S1G4D	S2G4A~S2G4D	T1G4A~T1G4D
		G1		RG1A~RG1D	S1G1A~S1G1D	S2G1A~S2G1D	T1G1A~T1G1D
		G3		RG3A~RG3D	S1G3A~S1G3D	S2G3A~S2G3D	T1G3A~T1G3D
		G5		RG5A~RG5D	S1G5A~S1G5D	S2G5A~S2G5D	T1G5A~T1G5D
Part No. - 1D	R S1 S2 T1	G1	A B C D	RG1A~RG1D	S1G1A~S1G1D	S2G1A~S2G1D	T1G1A~T1G1D
		G3		RG3A~RG3D	S1G3A~S1G3D	S2G3A~S2G3D	T1G3A~T1G3D
		G5		RG5A~RG5D	S1G5A~S1G5D	S2G5A~S2G5D	T1G5A~T1G5D
		H0		RH0A~RH0D	S1H0A~S1H0D	S2H0A~S2H0D	T1H0A~T1H0D
		H2		RH2A~RH2D	S1H2A~S1H2D	S2H2A~S2H2D	T1H2A~T1H2D
		H4		RH4A~RH4D	S1H4A~S1H4D	S2H4A~S2H4D	T1H4A~T1H4D
Part No. - 1E	R S1 S2 T1	H0	A B C D	RH0A~RH0D	S1H0A~S1H0D	S2H0A~S2H0D	T1H0A~T1H0D
		H2		RH2A~RH2D	S1H2A~S1H2D	S2H2A~S2H2D	T1H2A~T1H2D
		H4		RH4A~RH4D	S1H4A~S1H4D	S2H4A~S2H4D	T1H4A~T1H4D
		H1		RH1A~RH1D	S1H1A~S1H1D	S2H1A~S2H1D	T1H1A~T1H1D
		H3		RH3A~RH3D	S1H3A~S1H3D	S2H3A~S2H3D	T1H3A~T1H3D
		H5		RH5A~RH5D	S1H5A~S1H5D	S2H5A~S2H5D	T1H5A~T1H5D

* Notes :

[1] R-rank of LF is available for SAW84A0B (AN4240-02)

[2] S1,S2,T1-rank of LF is available for SAW84A0C (AN4240-03)

Warm White

Standard Order Codes for Warm white							
Order Code	LF	CC	VF	Bin Codes			
Part No. - 2A	R S1 S2 T1	F8	A B C D	RF8A~RF8D	S1F8A~S1F8D	S2F8A~S2F8D	T1F8A~T1F8D
		F0		RF0A~RF0D	S1F0A~S1F0D	S2F0A~S2F0D	T1F0A~T1F0D
		F2		RF2A~RF2D	S1F2A~S1F2D	S2F2A~S2F2D	T1F2A~T1F2D
		F9		RF9A~RF9D	S1F9A~S1F9D	S2F9A~S2F9D	T1F9A~T1F9D
		F1		RF1A~RF1D	S1F1A~S1F1D	S2F1A~S2F1D	T1F1A~T1F1D
		F3		RF3A~RF3D	S1F3A~S1F3D	S2F3A~S2F3D	T1F3A~T1F3D
		F9		RF9A~RF9D	S1F9A~S1F9D	S2F9A~S2F9D	T1F9A~T1F9D
Part No. - 2B	R S1 S2 T1	F1	A B C D	RF1A~RF1D	S1F1A~S1F1D	S2F1A~S2F1D	T1F1A~T1F1D
		F3		RF3A~RF3D	S1F3A~S1F3D	S2F3A~S2F3D	T1F3A~T1F3D
		G8		RG8A~RG8D	S1G8A~S1G8D	S2G8A~S2G8D	T1G8A~T1G8D
		G0		RG0A~RG0D	S1G0A~S1G0D	S2G0A~S2G0D	T1G0A~T1G0D
		G2		RG2A~RG2D	S1G2A~S1G2D	S2G2A~S2G2D	T1G2A~T1G2D
		G8		RG8A~RG8D	S1G8A~S1G8D	S2G8A~S2G8D	T1G8A~T1G8D
		G0		RG0A~RG0D	S1G0A~S1G0D	S2G0A~S2G0D	T1G0A~T1G0D
Part No. - 2C	R S1 S2 T1	G2	A B C D	RG2A~RG2D	S1G2A~S1G2D	S2G2A~S2G2D	T1G2A~T1G2D
		G9		RG9A~RG9D	S1G9A~S1G9D	S2G9A~S2G9D	T1G9A~T1G9D
		G1		RG1A~RG1D	S1G1A~S1G1D	S2G1A~S2G1D	T1G1A~T1G1D
		G3		RG3A~RG3D	S1G3A~S1G3D	S2G3A~S2G3D	T1G3A~T1G3D
		G9		RG9A~RG9D	S1G9A~S1G9D	S2G9A~S2G9D	T1G9A~T1G9D
		G1		RG1A~RG1D	S1G1A~S1G1D	S2G1A~S2G1D	T1G1A~T1G1D
		G3		RG3A~RG3D	S1G3A~S1G3D	S2G3A~S2G3D	T1G3A~T1G3D
Part No. - 2D	R S1 S2 T1	G3	A B C D	RG3A~RG3D	S1G3A~S1G3D	S2G3A~S2G3D	T1G3A~T1G3D
		H8		RH8A~RH8D	S1H8A~S1H8D	S2H8A~S2H8D	T1H8A~T1H8D
		H0		RH0A~RH0D	S1H0A~S1H0D	S2H0A~S2H0D	T1H0A~T1H0D
		H2		RH2A~RH2D	S1H2A~S1H2D	S2H2A~S2H2D	T1H2A~T1H2D
		H8		RH8A~RH8D	S1H8A~S1H8D	S2H8A~S2H8D	T1H8A~T1H8D
		H0		RH0A~RH0D	S1H0A~S1H0D	S2H0A~S2H0D	T1H0A~T1H0D
		H2		RH2A~RH2D	S1H2A~S1H2D	S2H2A~S2H2D	T1H2A~T1H2D
Part No. - 2E	R S1 S2 T1	H2	A B C D	RH2A~RH2D	S1H2A~S1H2D	S2H2A~S2H2D	T1H2A~T1H2D
		H9		RH9A~RH9D	S1H9A~S1H9D	S2H9A~S2H9D	T1H9A~T1H9D
		H1		RH1A~RH1D	S1H1A~S1H1D	S2H1A~S2H1D	T1H1A~T1H1D
		H3		RH3A~RH3D	S1H3A~S1H3D	S2H3A~S2H3D	T1H3A~T1H3D
		H8		RH8A~RH8D	S1H8A~S1H8D	S2H8A~S2H8D	T1H8A~T1H8D
		H0		RH0A~RH0D	S1H0A~S1H0D	S2H0A~S2H0D	T1H0A~T1H0D
		H2		RH2A~RH2D	S1H2A~S1H2D	S2H2A~S2H2D	T1H2A~T1H2D

* Notes :

[1] R-rank of LF is available for SAW84A0B (AN4240-02)

[2] S1,S2,T1-rank of LF is available for SAW84A0C (AN4240-03)

Warm White

Standard Order Codes for Warm white							
Order Code	LF	CC	VF	Bin Codes			
Part No. - 3A	R S1 S2 T1	F2	A B C D	RF2A~RF2D	S1F2A~S1F2D	S2F2A~S2F2D	T1F2A~T1F2D
		F4		RF4A~RF4D	S1F4A~S1F4D	S2F4A~S2F4D	T1F4A~T1F4D
		F6		RF6A~RF6D	S1F6A~S1F6D	S2F6A~S2F6D	T1F6A~T1F6D
		F3		RF3A~RF3D	S1F3A~S1F3D	S2F3A~S2F3D	T1F3A~T1F3D
		F5		RF5A~RF5D	S1F5A~S1F5D	S2F5A~S2F5D	T1F5A~T1F5D
		F7		RF7A~RF7D	S1F7A~S1F7D	S2F7A~S2F7D	T1F7A~T1F7D
		F3		RF3A~RF3D	S1F3A~S1F3D	S2F3A~S2F3D	T1F3A~T1F3D
Part No. - 3B	R S1 S2 T1	F5	A B C D	RF5A~RF5D	S1F5A~S1F5D	S2F5A~S2F5D	T1F5A~T1F5D
		F7		RF7A~RF7D	S1F7A~S1F7D	S2F7A~S2F7D	T1F7A~T1F7D
		G2		RG2A~RG2D	S1G2A~S1G2D	S2G2A~S2G2D	T1G2A~T1G2D
		G4		RG4A~RG4D	S1G4A~S1G4D	S2G4A~S2G4D	T1G4A~T1G4D
		G6		RG6A~RG6D	S1G6A~S1G6D	S2G6A~S2G6D	T1G6A~T1G6D
		G2		RG2A~RG2D	S1G2A~S1G2D	S2G2A~S2G2D	T1G2A~T1G2D
Part No. - 3C	R S1 S2 T1	G4	A B C D	RG4A~RG4D	S1G4A~S1G4D	S2G4A~S2G4D	T1G4A~T1G4D
		G6		RG6A~RG6D	S1G6A~S1G6D	S2G6A~S2G6D	T1G6A~T1G6D
		G3		RG3A~RG3D	S1G3A~S1G3D	S2G3A~S2G3D	T1G3A~T1G3D
		G5		RG5A~RG5D	S1G5A~S1G5D	S2G5A~S2G5D	T1G5A~T1G5D
		G7		RG7A~RG7D	S1G7A~S1G7D	S2G7A~S2G7D	T1G7A~T1G7D
		G3		RG3A~RG3D	S1G3A~S1G3D	S2G3A~S2G3D	T1G3A~T1G3D
Part No. - 3D	R S1 S2 T1	G5	A B C D	RG5A~RG5D	S1G5A~S1G5D	S2G5A~S2G5D	T1G5A~T1G5D
		G7		RG7A~RG7D	S1G7A~S1G7D	S2G7A~S2G7D	T1G7A~T1G7D
		H2		RH2A~RH2D	S1H2A~S1H2D	S2H2A~S2H2D	T1H2A~T1H2D
		H4		RH4A~RH4D	S1H4A~S1H4D	S2H4A~S2H4D	T1H4A~T1H4D
		H6		RH6A~RH6D	S1H6A~S1H6D	S2H6A~S2H6D	T1H6A~T1H6D
		H2		RH2A~RH2D	S1H2A~S1H2D	S2H2A~S2H2D	T1H2A~T1H2D
Part No. - 3E	R S1 S2 T1	H4	A B C D	RH4A~RH4D	S1H4A~S1H4D	S2H4A~S2H4D	T1H4A~T1H4D
		H6		RH6A~RH6D	S1H6A~S1H6D	S2H6A~S2H6D	T1H6A~T1H6D
		H3		RH3A~RH3D	S1H3A~S1H3D	S2H3A~S2H3D	T1H3A~T1H3D
		H5		RH5A~RH5D	S1H5A~S1H5D	S2H5A~S2H5D	T1H5A~T1H5D
		H7		RH7A~RH7D	S1H7A~S1H7D	S2H7A~S2H7D	T1H7A~T1H7D
		H2		RH2A~RH2D	S1H2A~S1H2D	S2H2A~S2H2D	T1H2A~T1H2D
		H4		RH4A~RH4D	S1H4A~S1H4D	S2H4A~S2H4D	T1H4A~T1H4D

* Notes :

[1] R-rank of LF is available for SAW84A0B (AN4240-02)

[2] S1,S2,T1-rank of LF is available for SAW84A0C (AN4240-03)