

OPTOCOUPERS CROSS REFERENCE

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SOLID STATE RELAY CROSS REFERENCE

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Optocoupler Cross Reference

Sharp	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
PC100	No Cross	14 Pin DIP		D	
PC101	No Cross	14 Pin DIP		D	
PC110	PS2651	6 Pin DIP	PS2561-1/PS2501-1 4 Pin Replacement Lower Cost	A	
PC111	PS2652	6 Pin DIP	PS2561-1/PS2501-1 4 Pin Replacement Lower Cost	A	
PC112	PS2651	6 Pin DIP	PS2561-1/PS2501-1 4 Pin Replacement Lower Cost	A	
PC113	PS2652	6 Pin DIP	PS2561-1/PS2501-1 4 Pin Replacement Lower Cost	A	
PC120	PS2561-1	4 Pin DIP		A	
PC121	PS2561-1	4 Pin DIP		A	
PC123	PS2561-1	4 Pin DIP		A	
PC123F	PS2581L1-1	4 Pin DIP		A	
PC353T	PS2801-1	4 Pin SSOP	4 Pin Replacement SSOP Package Lower Cost, Smaller	C	6 Pin vs 4 Pin
PC354	PS2705-1	4 Pin SOP	(Our Height is Lower at 2.3mm)	A	
PC355NT	PS2702-1	4 Pin SOP	(Our Height is Lower at 2.3mm)	A	
PC356NT	PS2701-1	4 Pin SOP	(Our Height is Lower at 2.3mm)	A	
PC357NT	PS2701-1	4 Pin SOP	(Our Height is Lower at 2.3mm)	A	
PC3Q64	PS2705-4	16 Pin SOP	(Our Height is Lower at 2.3mm)	A	
PC3Q67	PS2701-4	16 Pin SOP	(Our Height is Lower at 2.3mm)	A	
PC400	No Cross	IC Type Coupler		D	
PC401	No Cross	IC Type Coupler		D	
PC410	PS9701	5 Pin SOP	(Our Height is Lower at 2.3mm)	A	
PC417	PS8701	5 Pin DIP	(Our Height is Lower at 2.3mm)	A	
PC419	No Cross			D	
PC450T	No Cross			D	
PC452	PS2732-1	4 Pin SOP	(Our Height is Lower at 2.3mm)	B	
PC702V	PS2601	6 Pin DIP	PS2501-1/PS2561 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC703V	PS2601	6 Pin DIP	PS2501-1/PS2561 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC713V	PS2601	6 Pin DIP	PS2501-1/PS2561 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC714V	PS2602	6 Pin DIP	PS2501-1/PS2561 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC715V	PS2604	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC716V	PS2604	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC723V	PS2601	6 Pin DIP	PS2501-1/PS2561 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC724V	PS2622	6 Pin DIP	PS2521-1 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC725	PS2632	6 Pin DIP	PS2532-1 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC727	No Cross	6 Pin DIP		D	
PC729	No Cross	6 Pin DIP		D	
PC733	PS2605	6 Pin DIP	PS2505-1/PS2565-1 Lower Cost 4 Pin	B	7.65 mm vs 10 mm
PC733H	PS2625	6 Pin DIP	PS2525-1 Lower Cost 4 Pin Replacement	B	7.65 mm vs 10 mm
PC810	PS2561-1 (PS2501-1)	4 Pin DIP		A	
PC812	PS2561-1 (PS2501-1)	4 Pin DIP		A	
PC813	PS2565-1 (PS2505-1)	4 Pin DIP		A	
PC814	PS2565-1 (PS2505-1)	4 Pin DIP		A	
PC815	PS2502-1 (PS2562-1)	4 Pin DIP	PS2502-1 is Lower Cost	A	
PC816	PS2561-1 (PS2501-1)	4 Pin DIP		A	
PC817	PS2561-1 (PS2501-1)	4 Pin DIP		A	
PC818	PS2561-1 (PS2501-1)	4 Pin DIP		A	
PC824	PS2505-2 (PS2565-2)	8 Pin DIP	PS2505-2 is Lower Cost	A	
PC825	PS2502-2 (PS2562-2)	8 Pin DIP	PS2502-2 is Lower Cost	A	
PC826	PS2501-2 (PS2561-2)	8 Pin DIP	PS2501-2 is Lower Cost	A	
PC827	PS2501-2 (PS2561-2)	8 Pin DIP	PS2501-2 is Lower Cost	A	
PC829		8 Pin DIP	PS2505-2 is Replacing	C	
PC844	PS2505-4 (PS2565-4)	16 Pin DIP	PS2505-4 is Lower Cost	A	
PC845	PS2502-4 (PS2562-4)	16 Pin DIP	PS2502-4 is Lower Cost	A	
PC846	PS2501-4 (PS2561-4)	16 Pin DIP	PS2501-4 is Lower Cost	A	
PC847	PS2501-4 (PS2561-4)	16 Pin DIP	PS2501-4 is Lower Cost	A	

A = Direct Electrical/Mechanical Replacement

B = Direct Electrical Drop-In Replacement Likely Insignificant Difference

C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

Sharp	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
PC851	PS2532-1	4 Pin DIP	300V Vceo Type With Low CTR	C	
PC852	PS2532-1	4 Pin DIP		A	
PC853	PS2532-1	4 Pin DIP		A	
PC853H	PS2533-1	4 Pin DIP		A	
PC8D52	PS2532-2	8 Pin DIP		A	
PC8Q52	PS2532-4	8 Pin DIP		A	
PC865	PS2532-1	4 Pin DIP		A	
PC875	PS2532-1	4 Pin DIP		A	
PC895	PS2532-1	4 Pin DIP		A	
PC866	PS2561-1 (PS2501-1)	4 Pin DIP		A	
PC8D66	PS2501-2 (PS2561-2)	4 Pin DIP	PS2501-2 is Lower Cost	A	
PC8Q66	PS2501-4 (PS2561-4)	16 Pin DIP	PS2501-4 is Lower Cost	A	
PC900V		6 Pin DIP		D	
PC900VQ		6 Pin DIP		D	
PC901V		6 Pin DIP		D	
PC902		8 Pin DIP		D	
PC904		8 Pin DIP		D	
PC905		8 Pin DIP		D	
PC906		16 Pin DIP		D	
PC910X	PS9601	8 Pin DIP		A	
PC91D10		8 Pin DIP		D	
PC911	PS9611	8 Pin DIP		A	
PC912X	PS9611	8 Pin DIP		A	
PC915		8 Pin DIP		D	
PC917X	PS8602	8 Pin DIP		A	
PC918X	PS8602	8 Pin DIP		A	
PC922	PS9634	8 Pin DIP		A	
PC923	PS9636	8 Pin DIP		A	
PC924	PS9636	8 Pin DIP		A	
PC928				D	
PC929				D	
PC930				D	
PC931				D	
PC932				D	
PC933				D	
PC934				D	
PC935				D	
PC9D10				D	
PC9D17				D	
6N135	PS8601	8 Pin DIP		A	
6N136	PS8601	8 Pin DIP		A	
6N137	PS9601	8 Pin DIP		A	
6N138				D	
6N139				D	

Toshiba	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
4N25	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N25A	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N26	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N27	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N28	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N29	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N29A	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N30	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N31	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N32	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	

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Toshiba	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
4N32A	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N33	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N35	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N36	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N37	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N38	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N38A	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
6N135	PS8601	8 Pin DIP		A	
6N136	PS8601	8 Pin DIP		A	
6N137	PS9601	8 Pin DIP		A	
6N138				D	
6N139				D	
CNY17-2	PS2601-M	6 Pin DIP		A	
CNY17-3	PS2601-L	6 Pin DIP		A	
CNY17-4	PS2601-K	6 Pin DIP		A	
TLP112	PS8701	5 Pin SOP		B	
TLP112A	PS8701	5 Pin SOP		B	
TLP113				D	
TLP114A	PS8701	5 Pin SOP		B	
TLP115	PS9701	5 Pin SOP		B	
TLP115A	PS9701	5 Pin SOP		B	
TLP120	PS2705-1	4 Pin SOP		A	
TLP120-4	PS2705-4	16 Pin SOP		A	
TLP121	PS2701-1	4 Pin SOP		A	
TLP121-4	PS2701-4	16 Pin SOP		A	
TLP124	PS2701-1	4 Pin SOP		A	
TLP124-4	PS2701-4	16 Pin SOP		A	
TLP126	PS2705-1	4 Pin SOP		A	
TLP126-4	PS2705-4	16 Pin SOP		A	
TLP127	PS2732-1	4 Pin SOP		A	
TLP127-4	PS2732-4	16 Pin SOP		A	
TLP130	No Cross	4 Pin SOP	PS2705-1 4 Pin Replacement Lower Cost	C	
TLP131	No Cross	4 Pin SOP	PS2701-1 4 Pin Replacement Lower Cost	C	
TLP137	No Cross	4 Pin SOP	PS2701-1 4 Pin Replacement Lower Cost	C	
TLP141G	No Cross	4 Pin SOP		D	
TLP160G	No Cross	4 Pin SOP		D	
TLP160J	No Cross	4 Pin SOP		D	
TLP16GJ	No Cross	4 Pin SOP		D	
TLP161J	No Cross	4 Pin SOP		D	
TLP168G	No Cross	4 Pin SOP		D	
TLP168J	No Cross	4 Pin SOP		D	
TLP181	PS2701-1	4 Pin SOP		A	
TLP190B	No Cross	4 Pin SOP		D	
TLP191B	No Cross	4 Pin SOP		D	
TLP215	No Cross	6 Pin DIP		D	
TLP216	No Cross	6 Pin DIP		D	
TLP227G	No Cross	4 Pin DIP	PS7141-1A 6 Pin Lower Cost Replacement	C	
TLP227G-2	PS7141-2A	8 Pin DIP		B	
TLP250	No Cross	8 Pin DIP		D	
TLP251	No Cross	8 Pin DIP		D	
TLP280	PS2805-1	4 Pin SSOP		A	
TLP280-4	PS2805-4	16 Pin SSOP		A	
TLP296G	PS7141-2A	8 Pin DIP		B	
TLP320	PS2525-1	4 Pin DIP		A	
TLP320-2	PS2525-2	8 Pin DIP		A	
TLP320-4	PS2525-4	16 Pin DIP		A	
TLP321	PS2561-1 (PS2501-1)	4 Pin DIP		A	

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Toshiba	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
TLP321-2	PS2501-2 (PS2561-2)	8 Pin DIP	PS2501-2 is Lower Cost than PS2561-2	A	
TLP321-4	PS2501-4 (PS2561-4)	16 Pin DIP	PS2501-4 is Lower Cost than PS2561-2	A	
TLP330	PS2625	6 Pin DIP		A	
TLP331	PS2601	6 Pin DIP		A	
TLP332	PS2602	6 Pin DIP		A	
TLP371	PS2633	6 Pin DIP		A	
TLP372	PS2634	6 Pin DIP		A	
TLP504A	No Cross	8 Pin DIP	Old Telecom Pinout PS2505-2 is closest cross and lower Cost	C	
TLP504-2	No Cross	16 Pin DIP	Old Telecom Pinout PS2505-4 is closest cross and lower Cost	C	
TLP512	No Cross	8 Pin DIP	PS8602 is the closest cross same function	C	
TLP513	No Cross	8 Pin DIP	PS9601 is the closest cross same function	C	
TLP521-1	PS2561-1 (PS2501-1)	4 Pin DIP		A	
TLP521-2	PS2501-2	8 Pin DIP		A	
TLP521-4	PS2501-4	16 Pin DIP		A	
TLP523	PS2532-1	4 Pin DIP		A	
TLP523-2	PS2532-2	8 Pin DIP		A	
TLP523-4	PS2532-4	16 Pin DIP		A	
TLP525G	No Cross	4 Pin DIP		D	
TLP525G-2	No Cross	8 Pin DIP		D	
TLP525G-4	No Cross	16 Pin DIP		D	
TLP531	PS2601	6 Pin DIP		A	
TLP532	PS2602	6 Pin DIP		A	
TLP535	PS2601	6 Pin DIP		A	
TLP541G	No Cross	6 Pin DIP		D	
TLP542G	No Cross	6 Pin DIP		D	
TLP550	PS8602	8 Pin DIP		A	
TLP552	PS9601	8 Pin DIP		A	
TLP553	No Cross			D	
TLP555	No Cross			D	
TLP557	No Cross	8 Pin DIP	PS9634 is closest cross same function	C	
TLP558	No Cross	8 Pin DIP	PS9601 is closest cross same function	C	
TLP559	PS8601	8 Pin DIP		B	
TLP560G	No Cross	6 Pin DIP		D	
TLP560J	No Cross	6 Pin DIP		D	
TLP561G	No Cross	6 Pin DIP		D	
TLP561J	No Cross	6 Pin DIP		D	
TLP570	PS2604	6 Pin DIP		B	
TLP571	PS2603	6 Pin DIP		B	
TLP572	PS2634	6 Pin DIP		A	
TLP582	No Cross			D	
TLP590B	No Cross	6 Pin DIP		D	
TLP591B	No Cross	6 Pin DIP		D	
TLP620	PS2565-1 (PS2501)	4 Pin DIP		A	
TLP620-2	PS2565-2 (PS2505-2)	4 Pin DIP		A	
TLP620-4	PS2565-4 (PS2505-4)	4 Pin DIP		A	
TLP621	PS2561-1 (PS2501-1)	4 Pin DIP		A	
TLP621-2	PS2561-2 (PS2501-2)	8 Pin DIP		A	
TLP621-4	PS2561-4 (PS2501-4)	16 Pin DIP		A	
TLP624	PS2503-1	4 Pin DIP		B	
TLP624-2	PS2503-2	8 Pin DIP		B	
TLP624-4	PS2503-4	16 Pin DIP		B	
TLP626	PS2565-1	4 Pin DIP		A	
TLP626-2	PS2565-2	8 Pin DIP		A	
TLP626-4	PS2565-4	16 Pin DIP		A	
TLP627	PS2532-1	4 Pin DIP		A	
TLP627-2	PS2532-2	8 Pin DIP		A	
TLP627-4	PS2532-4	16 Pin DIP		A	

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Toshiba	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
TLP628	PS2533-1	4 Pin DIP		C	
TLP628-2	PS2533-2	8 Pin DIP		C	
TLP628-4	PS2533-4	16 Pin DIP		C	
TLP629	PS2521-1	4 Pin DIP		A	
TLP629-2	PS2521-2	8 Pin DIP		A	
TLP629-4	PS2521-4	16 Pin DIP		A	
TLP630	PS2605	6 Pin DIP		A	
TLP631	PS2601	6 Pin DIP		A	
TLP632	PS2602	6 Pin DIP		A	
TLP633	PS2601	6 Pin DIP		A	
TLP634	PS2602	6 Pin DIP		A	
TLP641G	No Cross			D	
TLP647G	No Cross			D	
TLP647J	No Cross			D	
TLP651	PS8601	8 Pin DIP		A	
TLP665G	No Cross			D	
TLP665GF	No Cross			D	
TLP665J	No Cross			D	
TLP665JF	No Cross			D	
TLP666G	No Cross			D	
TLP666GF	No Cross			D	
TLP666J	No Cross			D	
TLP666JF	No Cross			D	
TLP668	No Cross			D	
TLP721	PS2565-1	4 Pin DIP		A	
TLP721F	PS2561L1-1	4 Pin DIP	Special Lead Bend	A	
TLP731	PS2651	6 Pin DIP		B	
TLP731(LF2)	PS2651	6 Pin DIP		A	
TLP733	PS2651	6 Pin DIP		B	
TLP733F	PS2652	6 Pin DIP		A	
TLP734	PS2651	6 Pin DIP		B	
TLP734F	PS2652	6 Pin DIP		A	
TLP741G	No Cross	6 Pin DIP		D	
TLP741J	No Cross	6 Pin DIP		D	
TLP747G	No Cross	6 Pin DIP		D	
TLP747J	No Cross	6 Pin DIP		D	
TLP750	PS8602	8 Pin DIP		A	
TLP751	PS8601	8 Pin DIP		A	
TLP759	PS8602	8 Pin DIP		B	
TLP762J	No Cross	6 Pin DIP		D	
TLP763J	No Cross	6 Pin DIP		D	
TLP2200	No Cross			D	
TLP2530	No Cross			D	
TLP2531	No Cross			D	
TLP2601	PS9601	8 Pin DIP		C	
TLP2630	No Cross			D	
TLP3502	No Cross			D	
TLP3502A	No Cross			D	
TLP3503	No Cross			D	
TLP3503A	No Cross			D	
TLP3506	No Cross			D	
TLP3507	No Cross			D	
TLP3520	No Cross			D	
TLP3520A	No Cross			D	
TLP3521	No Cross			D	
TLP3526	No Cross			D	
TLP3527	No Cross			D	

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Toshiba	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
TLP3530	No Cross			D	

Note:

LF1 / LF4 / LF5 = Surface Mount Lead Bends Different Types
 LF2 = Special 10.16 mm Lead Bend (NEC "L1" option)
 TPL / TPR = Tape and Reel Specification
 TP1 / TP4 / TP5 = Tape and Reel Specification

Siemens	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
4N32	PS2603	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Replacement Lower Cost	B	
4N33	PS2603	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Replacement Lower Cost	B	
4N39	No Cross			D	
6N135	PS8601	8 Pin DIP		A	
6N136	PS8601	8 Pin DIP		A	
6N138	No Cross			D	
6N139	No Cross			D	
CNY17F	PS2602	6 Pin DIP	PS2501-1/PS2561-1 4 Pin Replacement Lower Cost	A	
H11AA1	PS2625	6 Pin DIP	PS2525-1 4 Pin Replacement Lower Cost	A	
H11B1	PS2603-L	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Replacement Lower Cost	A	
H11B2	PS2603-M	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Replacement Lower Cost	A	
H11B3	PS2603	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Replacement Lower Cost	A	
IL1	PS2601	6 Pin DIP	PS2501-1/PS2561-1 4 Pin Replacement Lower Cost	A	
IL30	PS2603	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Replacement Lower Cost	A	
IL31	PS2603	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Replacement Lower Cost	B	Check Power Rating
IL55	PS2603	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Replacement Lower Cost	B	Check Power Rating
ILD30	No Cross	8 Pin DIP		D	
ILD31	No Cross	8 Pin DIP		D	
ILD55	No Cross	8 Pin DIP		D	
ILQ30	No Cross	16 Pin DIP		D	
ILQ31	No Cross	16 Pin DIP		D	
ILQ55	No Cross	16 Pin DIP		D	
IL55B	PS2604	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Replacement Lower Cost	B	
IL66	PS2633	6 Pin DIP	PS2532-1 4 Pin Replacement Lower Cost	B	
ILD66	See Comment	8 Pin DIP	PS2502-2 8 Pin Electrical Function can be used for this App.	D	
ILQ66	See Comment	16 Pin DIP	PS2502-4 8 Pin Electrical Function can be used for this App.	D	
IL66B	PS2634	6 Pin DIP	PS502-1/PS2562-1 4 Pin Replacement Lower Cost	B	
IL74	PS2601	6 Pin DIP	PS2501-1/PS2561-1 4 Pin Replacement Lower Cost	B	
ILD74	See Comment	8 Pin DIP	PS2501-2 Electrical Function can be used for this App.	D	
ILQ74	See Comment	16 Pin DIP	PS2501-4 Electrical Function Can be used for this App.	D	
IL201	PS2601-D	6 Pin DIP	PS2561-1-H 4 Pin Electrical Replacement Lower Cost	B	
IL202	PS2601-K	6 Pin DIP	PS2561-1-L 4 Pin Electrical Replacement Lower Cost	B	
IL203	PS2601-K	6 Pin DIP	PS2561-1-L 4 Pin Electrical Replacement Lower Cost	B	
IL205A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL206A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL207A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL208	See Comment	8 Pin SSOP	PS2801-14 Pin Electrical Replacement Lower Cost	D	
IL211A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
L212A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL213A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL215A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL216A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL217A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL221A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IIL222A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL223A	See Comment	8 Pin SSOP	PS2801-1 4 Pin Electrical Replacement Lower Cost	D	
IL250	PS2605	6 Pin DIP		B	

A = Direct Electrical/Mechanical Replacement
 B = Direct Electrical Drop-In Replacement Likely Insignificant Difference
 C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement
 D = No Cross

Siemens	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
IL251	PS2605	6 Pin DIP		B	
IL252	PS2605	6 Pin DIP		B	
ILD250	PS2505-2	8 Pin DIP		B	
ILD251	PS2505-2	8 Pin DIP		B	
ILD252	PS2505-2	8 Pin DIP		B	
IL255	PS2605	6 Pin DIP		B	
IL256	See Comment	8 Pin 1/2 SOP	PS2805-1 4 Pin Electrical Replacement Lower Cost	D	
IL300	No Cross			D	
IL329	See Comment	8 Pin SOP	PS7241-AT5 is Lower Cost Standard Industry Pinout	D	
IL350	No Cross			D	
IL352	No Cross			D	
IL388	No Cross			D	
IL410	No Cross			D	
IL420	No Cross			D	
IL440	No Cross			D	
IL755	PS2603	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Electrical Replacement Lower Cost	B	
IL755-2	No Cross	8 Pin DIP	PS2502-2 Lower Cost Electrical Function	D	
IL755B	PS2604	6 Pin DIP	PS2502-1/PS2562-1 4 Pin Electrical Replacement Lower Cost	B	
IL766	PS2633	6 Pin DIP	PS2532-1 4 Pin Electrical Replacement Lower Cost	D	
IL766-2	No Cross	8 Pin DIP		D	
ILD766	No Cross	8 Pin DIP		D	
IL766B	PS2634	6 Pin DIP	PS2532-1 4 Pin Electrical Replacement Lower Cost	D	
IL4108	No Cross	6 Pin DIP		D	
IL4116	No Cross	6 Pin DIP		D	
IL4117	No Cross	6 Pin DIP		D	
IL4118	No Cross	6 Pin DIP		D	
IL4216	No Cross	6 Pin DIP	Non Promotive/No New Designs	A	
IL4217	No Cross	6 Pin DIP		D	
IL4218	No Cross	6 Pin DIP		D	
ILCT6	No Cross	8 Pin DIP	PS2501-2 Lower Cost Same Electrical Function	D	
ILD1	No Cross	8 Pin DIP	PS2501-2 Lower Cost Same Electrical Function	D	
ILD2	No Cross	8 Pin DIP	PS2501-2 Lower Cost Same Electrical Function	D	
ILD5	No Cross	8 Pin DIP	PS2501-2 Lower Cost Same Electrical Function	D	
ILQ1	No Cross	16 Pin DIP	PS2501-4 Lower Cost Same Electrical Function	D	
ILQ2	No Cross	16 Pin DIP	PS2501-4 Lower Cost Same Electrical Function	D	
ILQ5	No Cross	16 Pin DIP	PS2501-4 Lower Cost Same Electrical Function	D	
ILD3	No Cross	8 Pin DIP	PS2501-2 Lower Cost Same Electrical Function	D	
ILQ3	No Cross	16 Pin DIP	PS2501-4 Lower Cost Same Electrical Function	D	
ILD32	No Cross	8 Pin DIP	PS2502-2 Lower Cost Same Electrical Function	D	
ILQ32	No Cross	16 Pin DIP	PS2502-5 Lower Cost Same Electrical Function	D	
ILD205	PS2801-1 x 2	8 Pin SSOP	Please call for CTR Rank Information	C	
ILD206	PS2801-1 x 2	8 Pin SSOP	Please call for CTR Rank Information	C	
ILD207	PS2801-1 x 2	8 Pin SSOP	Please call for CTR Rank Information	C	
ILD211	PS2801-1 x 2	8 Pin SSOP	Please call for CTR Rank Information	C	
ILD213	PS2801-1 x 2	8 Pin SSOP	Please call for CTR Rank Information	C	
ILD217	PS2801-1 x 2	8 Pin SSOP	Please call for CTR Rank Information	C	
ILD223	PS2802-1 x 2	8 Pin SSOP		A	
ILD255	No Cross	8 Pin SSOP	PS2805-2 Lower Cost Same Electrical Function	A	
ILD256	PS2805-1 x 2	8 Pin SSOP		A	
ILD610	PS2501-2	8 Pin DIP		B	
ILD610-1	PS2501-2-H	8 Pin DIP		B	
ILD610-2	PS2501-2-H	8 Pin DIP		B	
ILD610-3	PS2501-2-D	8 Pin DIP		B	
ILD610-4	PS2501-2-M	8 Pin DIP		B	
ILD615	PS2501-2	8 Pin DIP		B	
ILD615-1	PS2501-2-H	8 Pin DIP		B	
ILD615-2	PS2501-2-H	8 Pin DIP		B	

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Siemens	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
ILD615-3	PS2501-2-D	8 Pin DIP		B	
ILD615-4	PS2501-2-L	8 Pin DIP		B	
ILQ615	PS2501-4	16 Pin DIP		B	
ILQ615	PS2501-4-H	16 Pin DIP		B	
ILQ615	PS2501-4-H	16 Pin DIP		B	
ILQ615	PS2501-4-D	16 Pin DIP		B	
ILQ615	PS2501-4-M	16 Pin DIP		B	
ILD620	PS2501-2	8 Pin DIP		A	
ILD620GB	PS2501-2-L	8 Pin DIP		A	
ILQ620	PS2501-4	16 Pin DIP		A	
ILQ620GB	PS2501-4-L	16 Pin DIP		A	
ILD621	PS2505-2	8 Pin DIP		A	
ILD621GB	PS2505-2	8 Pin DIP		B	
ILQ621	PS2505-4	16 Pin DIP		A	
ILQ621GB	PS2505-4	16 Pin DIP		B	
ILH100	No Cross			D	
ILH200	No Cross			D	
MCA230	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
MCA231	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
MCA255	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
MCT6	No Cross	8 Pin DIP	PS2501-2 Lower Cost 4 Pin Replacement	D	
MCT5210	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
MCT5211	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
MOC8050	PS2604	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
MOC8111	PS2602	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH600	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH601	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH601-1	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH601-2	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH601-3	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH601-3	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH608	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH608-2	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH608-3	PS2601-L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH608-4	PS2601-K	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH608-5	PS2601-K	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
SFH610A	PS2501-1 (PS2561-1)	4 Pin DIP		A	
SFH610A-1	PS2501-1 (PS2561-1)	4 Pin DIP	Siemen's CTR = 40-80 %	B	
SFH610A-2	PS2501-1 (PS2561-1)	4 Pin DIP	Siemen's CTR = 63-125 %	B	
SFH610A-3	PS2501-1 (PS2561-1)	4 Pin DIP	Siemen's CTR = 100-200 %	B	
SFH610A-4	PS2501-1 (PS2561-1)	4 Pin DIP	Siemen's CTR = 160-320 %	B	
SFH611A	PS2501-1 (PS2561-1)	4 Pin DIP		A	
SFH615A	PS2501-1 (PS2561-1)	4 Pin DIP		A	
SFH617A	PS2501-1 (PS2561-1)	4 Pin DIP		A	
SFH618A	PS2501-1 (PS2561-1)	4 Pin DIP		A	
SFH620A	PS2505-1 (PS2565-1)	4 Pin DIP		B	
SFH620AA	PS2505-1 (PS2565-1)	4 Pin DIP		B	
SFH628A	PS2501-1 (PS2561-1)	4 Pin DIP		A	
SFH636	PS8701-1	5 Pin SOP	SOP Version of the SFH636	C	
SFH640	No Cross	6 Pin DIP	300 V Vceo	C	
SFH640-1	No Cross	6 Pin DIP	300 V Vceo	C	
SFH640-2	No Cross	6 Pin DIP	300 V Vceo	C	
SFH640-3	No Cross	6 Pin DIP	300 V Vceo	C	
SFH6135	PS8601	6 Pin DIP		A	
SFH6136	PS8601	6 Pin DIP		A	
SFH6138	No Cross	8 Pin DIP		D	
SFH6139	No Cross	8 Pin DIP		D	

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D = No Cross

Siemens	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
SFH6315	No Cross	8 Pin SSOP		D	
SFH6316	No Cross	8 Pin SSOP		D	
SFH6318	No Cross	8 Pin SSOP		D	
SFH6319	No Cross	8 Pin SSOP		D	
SFH6325	No Cross	8 Pin SSOP		D	
SFH6326	No Cross	8 Pin SSOP		D	
SFH6343	No Cross	8 Pin SSOP		D	
SFH6345	No Cross	8 Pin DIP		D	
SFH6700	No Cross	8 Pin DIP		D	
SFH6701	No Cross	8 Pin DIP		D	
SFH6702	No Cross	8 Pin DIP		D	
SFH6705	No Cross	8 Pin DIP		D	
SFH6711	No Cross	8 Pin DIP		D	
SFH6712	No Cross	8 Pin DIP		D	
SFH6719	No Cross	8 Pin DIP		D	
SFH6943	No Cross	8 Pin DIP		D	

QTC	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
4N25	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N26	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N27	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N28	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N29	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N30	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N31	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N32	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N33	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N35	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N36	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N37	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N39	No Cross			D	
4N40	No Cross			D	
HCPL2503	PS8601	8 Pin DIP		A	
HCPL4502	PS8601	8 Pin DIP		B	
6N135	PS8601	8 Pin DIP		A	
6N136	PS8601	8 Pin DIP		B	
6N137	PS9601	8 Pin DIP		A	
HCPL2601	PS9701	5 Pin SOP		A	
HCPL2611	PS9601	8 Pin DIP		B	
6N138	No Cross	8 Pin DIP		D	
6N139	No Cross	8 Pin DIP		D	
74OL6000	No Cross	6 Pin DIP		D	
74OL6001	No Cross	6 Pin DIP		D	
74OL6010	No Cross	6 Pin DIP		D	
74OL6011	No Cross	6 Pin DIP		D	
CNY17-1	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
CNY17-2	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
CNY17-3	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
CNY17-4	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
CNY17F-1	PS2602-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
CNY17F-2	PS2602-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
CNY17F-3	PS2602-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
H11A1	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
H11AA1	PS2625	6 Pin DIP	PS2525-1 Lower Cost 4 Pin Replacement	B	
H11AA2	PS2625	6 Pin DIP	PS2525-1 Lower Cost 4 Pin Replacement	B	
H11AA3	PS2625	6 Pin DIP	PS2525-1 Lower Cost 4 Pin Replacement	B	
H11AA4	PS2625	6 Pin DIP	PS2525-1 Lower Cost 4 Pin Replacement	B	

A = Direct Electrical/Mechanical Replacement

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D = No Cross

QTC	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
H11D1	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
H11D2	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
H11D3	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
H11G1	PS2633	6 Pin DIP	PS2532-1 Lower Cost 4 Pin Replacement	A	
H11G2	PS2633	6 Pin DIP	PS2532-1 Lower Cost 4 Pin Replacement	A	
HCPL2530	No Cross	8 Pin DIP		D	
HCPL2531	No Cross	8 Pin DIP		D	
HCPL2630	No Cross	8 Pin DIP		D	
HCPL2631	No Cross	8 Pin DIP		D	
HCPL2730	No Cross	8 Pin DIP		D	
HCPL2731	No Cross	8 Pin DIP		D	
MCP3009	No Cross	6 Pin DIP		D	
MCP3010	No Cross	6 Pin DIP		D	
MCP3011	No Cross	6 Pin DIP		D	
MCP3020	No Cross	6 Pin DIP		D	
MCP3021	No Cross	6 Pin DIP		D	
MCP3022	No Cross	6 Pin DIP		D	
MCT2	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MCT2E	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MCT210	PS2601-L	6 Pin DIP	PS2561-1-L/PS2501-1-L Lower Cost 4 Pin Replacement	A	
MCT-2200	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MCT-2201	PS2601-L	6 Pin DIP	PS2561-1-L/PS2501-1-L Lower Cost 4 Pin Replacement	A	
MCT-2202	PS2601-M	6 Pin DIP	PS2561-1-M/PS2501-1-M Lower Cost 4 Pin Replacement	B	
MCT-26	PS2601-M	6 Pin DIP	PS2561-1-M/PS2501-1-M Lower Cost 4 Pin Replacement	B	
MCT270	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
MCT-271	PS2601-M	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
MCT272	PS2601-M	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
MCT274	PS2601-L	6 Pin DIP	PS2561-1-L/PS2501-1-L Lower Cost 4 Pin Replacement	A	
MCT275	PS2601-M	6 Pin DIP	PS2561-1-M/PS2501-1-M Lower Cost 4 Pin Replacement	B	
MCT276	PS2601-M	6 Pin DIP	PS2561-1-M/PS2501-1-M Lower Cost 4 Pin Replacement	B	
MCT277	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MCT5200	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MCT5201	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MCT5210	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MCT5211	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MCT6	No Cross	8 Pin DIP	PS2501-2 Electrically Functional Equivalent Lower Cost	C	
MCT61	No Cross	8 Pin DIP	PS2501-2 Electrically Functional Equivalent Lower Cost	C	
MCT62	No Cross	8 Pin DIP	PS2501-2 Electrically Functional Equivalent Lower Cost	C	
MCT9001	PS2501-2	8 Pin DIP		A	
MID400	No Cross	8 Pin DIP		D	
MOC8111	PS2602	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MOC8112	PS2602	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
MOC8113	PS2602	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	A	
TIL111	PS2621	6 Pin DIP	PS2521-1 Lower Cost 4 Pin Replacement	B	
H11A1	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
H11A2	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
H11A3	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
H11A4	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
H11A5	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
H11A1Z	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
H11AG1	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
H11AG2	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
H11AG3	PS2601	6 Pin DIP	PS2561-1/PS2501-1 Lower Cost 4 Pin Replacement	B	
H11B1	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
H11B2	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
H11B3	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
H11C1	No Cross			D	

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QTC	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
H11C2	No Cross			D	
H11C3	No Cross			D	
H11C4	No Cross			D	
H11C5	No Cross			D	
H11C6	No Cross			D	
H11D1	PS2631	6 Pin DIP		B	
H11D2	PS2631	6 Pin DIP		B	
H11D3	PS2631	6 Pin DIP		B	
H11F1	No Cross			D	
H11F2	No Cross			D	
H11F3	No Cross			D	
H11L1	No Cross	6 Pin DIP		D	
H11L2	No Cross	6 Pin DIP		D	
H11L3	No Cross	6 Pin DIP		D	
H11N1	No Cross	6 Pin DIP		D	
H11N2	No Cross	6 Pin DIP		D	
H11N3	No Cross	6 Pin DIP		D	
H24A1	PS2502-1 (PS2562-1)	4 Pin DIP		C	
H24A2	PS2502-1 (PS2562-1)	4 Pin DIP		C	
H24B1	PS2502-1 (PS2562-1)	4 Pin DIP		C	
H24B2	PS2502-1 (PS2562-1)	4 Pin DIP		C	
MCT4	No Cross	LED		D	
MOC3009	No Cross	6 Pin DIP		D	
MOC3010	No Cross	6 Pin DIP		D	
MOC3011	No Cross	6 Pin DIP		D	
MOC3012	No Cross	6 Pin DIP		D	
MOC3020	No Cross	6 Pin DIP		D	
MOC3021	No Cross	6 Pin DIP		D	
MOC3022	No Cross	6 Pin DIP		D	
MOC3023	No Cross	6 Pin DIP		D	

Note:

-S = Surface Mount Option

-SD = Surface Mount Tape and Reel Option

-200D = Surface Mount Tape and Reel Option

Hewlett Packard	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
6N135	PS8601	8 Pin DIP		A	
6N136	PS8601	8 Pin DIP		B	
HCNR200	No Cross	8 Pin DIP		D	
HCNR201	No Cross	8 Pin DIP		D	
HCNW135	PS8601	8 Pin DIP		B	
HCNW136	PS8601	8 Pin DIP		B	
HCNW137	PS9601	8 Pin DIP		B	
HCNW138	No Cross	8 Pin DIP		D	
HCNW139	No Cross	8 Pin DIP		D	
HCNW2201	No Cross	8 Pin DIP		D	
HCNW2211	No Cross	8 Pin DIP		D	
HCNW2601	PS9601	8 Pin DIP		B	
HCNW2611	PS9601	8 Pin DIP		B	
HCNW4502	PS8601	8 Pin DIP		B	
HCNW4503	PS8601	8 Pin DIP		B	
HCNW4504	PS8601	8 Pin DIP		A	
HCNW4506	No Cross	8 Pin DIP		D	
HCNW4562	PS8601	8 Pin DIP		B	

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Hewlett Packard	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
HCPL-0201	No Cross	8 Pin DIP		D	
HCPL-0211	No Cross	8 Pin DIP		D	
HCPL-0452	PS8601	8 Pin DIP		B	
HCPL-0453	PS8601	8 Pin DIP		B	
HCPL-0454	PS8601	8 Pin DIP		A	
HCPL-0466	No Cross	8 Pin DIP		D	
HCPL-0500	PS8601	8 Pin DIP		B	
HCPL-0501	PS8601	8 Pin DIP		B	
HCPL-0530	No Cross	8 Pin DIP	2 of the PS8701 NEC Lower Cost Smaller	D	
HCPL-0531	No Cross	8 Pin DIP	2 of the PS8701 NEC Lower Cost Smaller	D	
HCPL-0534	No Cross	8 Pin DIP	2 of the PS8701 NEC Lower Cost Smaller	D	
HCPL-0560	No Cross	8 Pin DIP	2 of the PS8701 NEC Lower Cost Smaller	D	
HCPL-0561	No Cross	8 Pin DIP	2 of the PS8701 NEC Lower Cost Smaller	D	
HCPL-0600	PS9601	8 Pin DIP		B	
HCPL-0601	PS9601	8 Pin DIP		B	
HCPL-0611	PS9601	8 Pin DIP		B	
HCPL-061A	PS9601	8 Pin DIP		B	
HCPL-0630	No Cross	8 Pin DIP		D	
HCPL-0631	No Cross	8 Pin DIP		D	
HCPL-063A	No Cross	8 Pin DIP		D	
HCPL-063N	No Cross	8 Pin DIP		D	
HCPL-0661	No Cross	8 Pin DIP		D	
HCPL-0700	No Cross	8 Pin DIP		D	
HCPL-0701	No Cross	8 Pin DIP		D	
HCPL-070A	No Cross	8 Pin DIP		D	
HCPL-0730	No Cross	8 Pin SOIC	PS2732-2 closest cross	D	
HCPL-0731	No Cross	8 Pin SOIC	PS2732-2 closest cross	D	
HCPL-073A	No Cross	8 Pin SOIC		D	
HCPL-0870	No Cross	A/D Converter		D	
HCPL-177K	No Cross	8 Pin DIP		D	
HCPL-1930	No Cross	16 Pin DIP		D	
HCPL-1931	No Cross	16 Pin DIP		D	
HCPL-193K	No Cross	16 Pin DIP		D	
HCPL-2200	No Cross	8 Pin DIP		D	
HCPL-2201	No Cross	8 Pin DIP		D	
HCPL-2202	No Cross	8 Pin DIP		D	
HCPL-2211	No Cross	8 Pin DIP		D	
HCPL-2212	No Cross	8 Pin DIP		D	
HCPL-2219	No Cross	8 Pin DIP		D	
HCPL-2231	No Cross	8 Pin DIP		D	
HCPL-2232	No Cross	8 Pin DIP		D	
HCPL-2300	No Cross	8 Pin SOIC		D	
HCPL-2400	PS9634	8 Pin DIP		B	
HCPL-2430	No Cross	8 Pin DIP		D	
HCPL-2502	PS8601	8 Pin DIP		B	
HCPL-2530	No Cross			D	
HCPL-2531	No Cross			D	
HCPL-257K	PS8601	8 Pin DIP	Hermetically Sealed HP Package	B	
HCPL-2601	No Cross	8 Pin DIP		D	
HCPL-2602	No Cross			D	
HCPL-2611	No Cross			D	
HCPL-2612	No Cross			D	
HCPL-261A	No Cross			D	
HCPL-261N	No Cross			D	
HCPL-2630	No Cross			D	
HCPL-2631	No Cross			D	
HCPL-263A	PS9701	5 Pin SOP		B	

A = Direct Electrical/Mechanical Replacement
B = Direct Electrical Drop-In Replacement Likely Insignificant Difference
C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement
D = No Cross

Hewlett Packard	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
HCPL-263N	PS9701	5 Pin SOP		B	
HCPL-2730	No Cross			D	
HCPL-2731	No Cross			D	
HCPL-3000	No Cross			D	
HCPL-3100	PS9634	8 Pin DIP		B	
HCPL-3101	PS9634	8 Pin DIP		B	
HCPL-3120	No Cross			D	
HCPL-3150	No Cross			D	
HCPL-3160	No Cross			D	
HCPL-3700	No Cross			D	
HCPL-3760	No Cross			D	
HCPL-4100	No Cross			D	
HCPL-4200	No Cross			D	
HCPL-4502	PS8602	8 Pin DIP		B	
HCPL-4503	PS8602	8 Pin DIP		B	
HCPL-4504	PS8602	8 Pin DIP		B	
HCPL-4506	No Cross			D	
HCPL-4534	No Cross		PS8701 Same Electrical Function One Channel	C	
HCPL-4562	PS8602	8 Pin DIP		C	
HCPL-4661	No Cross			D	
HCPL-4701	No Cross			D	
HCPL-4731	No Cross			D	
HCPL-5200	No Cross			D	
HCPL-5201	No Cross			D	
HCPL-520K	No Cross			D	
HCPL-5230	No Cross			D	
HCPL-5231	No Cross			D	
HCPL-523K	No Cross			D	
HCPL-5300	No Cross			D	
HCPL-5301	No Cross			D	
HCPL-530K	No Cross			D	
HCPL-5400	No Cross			D	
HCPL-5401	No Cross			D	
HCPL-540K	No Cross			D	
HCPL-5430	No Cross			D	
HCPL-5431	No Cross			D	
HCPL-543K	No Cross			D	
HCPL-5500	No Cross			D	
HCPL-5501	No Cross			D	
HCPL-550K	No Cross			D	
HCPL-5530	No Cross			D	
HCPL-553K	No Cross			D	
HCPL-5600	PS9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-5601	PS9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-560K	PS9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-5630	PS9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-5631	PS9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-563K	PS9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-5700	No Cross			D	
HCPL-5701	No Cross			D	
HCPL-570K	No Cross			D	
HCPL-5730	No Cross			D	
HCPL-5731	No Cross			D	
HCPL-573K	No Cross			D	
HCPL-5760	No Cross			D	
HCPL-5761	No Cross			D	
HCPL-576K	No Cross			D	

A = Direct Electrical/Mechanical Replacement

B = Direct Electrical Drop-In Replacement Likely Insignificant Difference

C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

Hewlett Packard	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
HCPL-6230	No Cross			D	
HCPL-6231	No Cross			D	
HCPL-623K	No Cross			D	
HCPL-6250	No Cross			D	
HCPL-6251	No Cross			D	
HCPL-625K	No Cross			D	
HCPL-6430	No Cross			D	
HCPL-6431	No Cross			D	
HCPL-643K	No Cross			D	
HCPL-6530	PC8601	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-6531	PC8601	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-653K	PC8601	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-6550	PC8601	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-6551	PC8601	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-655K	PC8601	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-6630	PC9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-6631	PC9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-663K	PC9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-6650	PC9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-6651	PC9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-665K	PC9601/PS9611	8 Pin DIP	HP is Hermetically Sealed	B	
HCPL-6730	No Cross	8 Pin DIP		D	
HCPL-6731	No Cross	8 Pin DIP		D	
HCPL-673K	No Cross	8 Pin DIP		D	
HCPL-6750	No Cross	8 Pin DIP		D	
HCPL-6751	No Cross	8 Pin DIP		D	
HCPL-675K	No Cross	8 Pin DIP		D	
HCPL-7100	No Cross	8 Pin DIP		D	
HCPL-7101	No Cross	8 Pin DIP		D	
HCPL-7800	No Cross	8 Pin DIP		D	
HCPL-7800A	No Cross	8 Pin DIP		D	
HCPL-7800B	No Cross	8 Pin DIP		D	
HCPL-7820	No Cross	8 Pin DIP		D	
HCPL-7825	No Cross	8 Pin DIP		D	
HCPL-7840	No Cross	8 Pin DIP		D	
HCPL-7860	No Cross	8 Pin DIP		D	
HCPL-7870	No Cross	8 Pin DIP		D	

Note:

-300 = Gull Wing

-500 = Tape and Reel

- HP may be hermetically sealed

Lite-On	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
LRV-4N26S	PS2601L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N25	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N25SA	PS2601L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N25M	PS2601L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N26	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N26S	PS2601L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N26M	PS2601L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N27	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N26M	PS2601L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N28	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N28S	PS2601L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N28M	PS2601L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	

A = Direct Electrical/Mechanical Replacement

B = Direct Electrical Drop-In Replacement Likely Insignificant Difference

C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

Lite-On	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
LTV-4N32	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
LTV-4N32S	PS2603L	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
LTV-4N32M	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
LTV-4N33	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
LTV-4N33S	PS2603L	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
LTV-4N33M	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
LTV-4N35	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N35S	PS2601L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N35M	PS2601L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N37	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N37S	PS2601L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-4N37M	PS2601L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-702V	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-702VS	PS2601L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-702VM	PS2601L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-702F	PS2602	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-702FS	PS2602L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-702FM	PS2602L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-703V	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-703VS	PS2601L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-703VM	PS2601L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-703F	PS2602	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-703FS	PS2602L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-703FM	PS2602L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-713V	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-713VS	PS2601L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-713VM	PS2601L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-713F	PS2602	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-713FS	PS2602L	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-713FM	PS2602L1	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
LTV-814	PS2565-1	4 Pin DIP	Special Lead Bend	A	
LTV-814S	PS2565L-1	4 Pin DIP		A	
LTV-814M	PS2565L1-1	4 Pin DIP		A	
LTV-824	PS2505-2	8 Pin DIP		A	
LTV-824S	PS2505L-2	8 Pin DIP		A	
LTV-824M	PS2565L1-2	8 Pin DIP	Special Lead Bend	A	
LTV-844	PS2505-4	16 Pin DIP		A	
LTV-844S	PS2505L-4	16 Pin DIP		A	
LTV-844M	PS2565L1-4	16 Pin DIP	Special Lead Bend	A	
LTV-8141	PS2506-1/PS2566-1	4 Pin DIP		A	
LTV-8141S	PS2506L-1/PS2566L-1	4 Pin DIP		A	
LTV-8141 M	PS2566L1-1	4 Pin DIP	Special Lead Bend	A	
LTV-8241	PS2506-2/PS2566-2	8 Pin DIP		A	
LTV-8241S	PS2506L-2/PS2566L-2	8 Pin DIP		A	
LTV-8241 M	PS2566L1-2	8 Pin DIP	Special Lead Bend	A	
LTV-8441	PS2506-4/PS2566-4	16 Pin DIP		A	
LTV-8441S	PS2506L-4/PS2566L-4	16 Pin DIP		A	
LTV-8441 M	PS2566L1-4	16 Pin DIP	Special Lead Bend	A	
LTV-815	PS2502-1/PS2562-1	4 Pin DIP		A	
LTV-815S	PS2502L-1/PS2562L-1	4 Pin DIP		A	
LTV-815M	PS2561L1-1	4 Pin DIP	Special Lead Bend	A	
LTV-825	PS2502-2/PS2562-2	8 Pin DIP		A	
LTV-825S	PS2502L-2/PS2562L-2	8 Pin DIP		A	
LTV-825M	PS2561L1-2	8 Pin DIP	Special Lead Bend	A	
LTV-845	PS2502-4/PS2562-4	16 Pin DIP		A	
LTV-845S	PS2502L-4/PS2562L-4	16 Pin DIP		A	
LTV-845M	PS2561L1-4	16 Pin DIP	Special Lead Bend	A	
LTV-817	PS2501-1/PS2561-1	4 Pin DIP		A	

A = Direct Electrical/Mechanical Replacement

B = Direct Electrical Drop-In Replacement Likely Insignificant Difference

C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

Lite-On	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
LTV-817S	PS2501L-1/PS2561L-1	4 Pin DIP		A	
LTV-817M	PS2561L1-1	4 Pin DIP	Special Lead Bend	A	
LTV-827	PS2501-2/PS2561-2	8 Pin DIP		A	
LTV-827S	PS2501L-2/PS2561L-2	8 Pin DIP		A	
LTV-827M	PS2561L1-2	8 Pin DIP	Special Lead Bend	A	
LTV-847	PS2501-4/PS2561-4	16 Pin DIP		A	
LTV-847S	PS2501L-4/PS2561L-4	16 Pin DIP		A	
LTV-847M	PS2561L1-4	16 Pin DIP	Special Lead Bend	A	

Note:

-TA = Tape and Reel

-TB = Tape and Reel

Motorola	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
4N25	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N26	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N27	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N28	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N29	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N30	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N31	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N32	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N33	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
4N35	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N36	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N37	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N38A	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
4N38	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
CNY17-1	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
CNY17-2	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
CNY17-3	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
H11A1	PS2621	6 Pin DIP	PS2521-1 Lower Cost 4 Pin Replacement	B	
H11AA1	PS2625	6 Pin DIP	PS2525-1 Lower Cost 4 Pin Replacement	B	
H11AA2	PS2625	6 Pin DIP	PS2525-1 Lower Cost 4 Pin Replacement	B	
H11AA3	PS2625	6 Pin DIP	PS2525-1 Lower Cost 4 Pin Replacement	B	
H11AA4	PS2625	6 Pin DIP	PS2525-1 Lower Cost 4 Pin Replacement	B	
H11AV1	PS2621	6 Pin DIP	PS2521-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
H11AV2	PS2621	6 Pin DIP	PS2521-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
H11B1	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	A	
H11B3	PS2603-L	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	A	
H11D1	PS2633	6 Pin DIP	PS2532-1 Lower Cost 4 Pin Type	C	
H11D2	PS2633	6 Pin DIP	PS2532-1 Lower Cost 4 Pin Type	C	
H11G1	PS2633	6 Pin DIP	PS2532-1 Lower Cost 4 Pin Replacement	A	
H11G2	PS2633	6 Pin DIP	PS2532-1 Lower Cost 4 Pin Replacement	A	
H11G3	PS2633	6 Pin DIP	PS2532-1 Lower Cost 4 Pin Replacement	A	
H11L1	No Cross	6 Pin DIP		D	
H11L2	No Cross	6 Pin DIP		D	
MCT2	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	B	
MCT2E	PS2601	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	B	
MOC119	PS2604	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost Smaller 4 Pin Replacement	A	
MOC205	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC206	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC207	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC208	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC211	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC212	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC213	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC215	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	

A = Direct Electrical/Mechanical Replacement

B = Direct Electrical Drop-In Replacement Likely Insignificant Difference

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D = No Cross

Motorola	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
MOC216	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC217	PS2801-1	4 Pin SSOP	PS2801-1/PS2561-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC223	PS2802-1	4 Pin SSOP	PS2802-1/PS2562-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC256	PS2805-1	4 Pin SSOP	PS2805-1/PS2565-1 Lower Cost Smaller 4 Pin Replacement	C	
MOC263	PS2802-1	4 Pin SSOP	PS2802-1/PS2562-1 Lower Cost Smaller 4 Pin Replacement	C	
MOCD207	PS2801-1 x 2	8 Pin SSOP	PS2801-1 x 2 Lower Cost 4 Pin Replacement	C	
MOCD208	PS2801-1 x 2	8 Pin SSOP	PS2801-1 x 2 Lower Cost 4 Pin Replacement	C	
MOCD211	PS2801-1 x 2	8 Pin SSOP	PS2801-1 x 2 Lower Cost 4 Pin Replacement	C	
MOCD213	PS2801-1 x 2	8 Pin SSOP	PS2801-1 x 2 Lower Cost 4 Pin Replacement	C	
MOCD217	PS2801-1 x 2	8 Pin SSOP	PS2801-1 x 2 Lower Cost 4 Pin Replacement	C	
MOCD223	PS2802-1 x 2	8 Pin SSOP	PS2802-1 x 2 Lower Cost 4 Pin Replacement	C	
MOC2A40-10	No Cross			D	
MOC2A40-5	No Cross			D	
MOC2A60-10	No Cross			D	
MOC2A60-5	No Cross			D	
MOC2R60-10	No Cross			D	
MOC2R60-15	No Cross			D	
MOC3010	No Cross	6 Pin DIP		D	
MOC3011	No Cross	6 Pin DIP		D	
MOC3012	No Cross	6 Pin DIP		D	
MOC3021	No Cross	6 Pin DIP		D	
MOC3022	No Cross	6 Pin DIP		D	
MOC3023	No Cross	6 Pin DIP		D	
MOC3031	No Cross	6 Pin DIP		D	
MOC3032	No Cross	6 Pin DIP		D	
MOC3033	No Cross	6 Pin DIP		D	
MOC3041	No Cross	6 Pin DIP		D	
MOC3042	No Cross	6 Pin DIP		D	
MOC3043	No Cross	6 Pin DIP		D	
MOC3051	No Cross	6 Pin DIP		D	
MOC3052	No Cross	6 Pin DIP		D	
MOC3061	No Cross	6 Pin DIP		D	
MOC3062	No Cross	6 Pin DIP		D	
MOC3063	No Cross	6 Pin DIP		D	
MOC3081	No Cross	6 Pin DIP		D	
MOC3082	No Cross	6 Pin DIP		D	
MOC3083	No Cross	6 Pin DIP		D	
MOC3162	No Cross	6 Pin DIP		D	
MOC3163	No Cross	6 Pin DIP		D	
MOC5007	No Cross	6 Pin DIP		D	
MOC5008	No Cross	6 Pin DIP		D	
MOC5009	No Cross	6 Pin DIP		D	
MOC8020	PS2604	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
MOC8021	PS2604	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
MOC8030	PS2604	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
MOC8050	PS2604	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
MOC8080	PS2603	6 Pin DIP	PS2502-1/PS2562-1 Lower Cost 4 Pin Replacement	B	
MOC8100	PS2621	6 Pin DIP	PS2521-1 Lower Cost 4 Pin Replacement	B	
MOC8101	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
MOC8102	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
MOC8103	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
MOC8104	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
MOC8105	PS2601-M	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
MOC8111	PS2602	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
MOC8112	PS2602	6 Pin DIP	PS2501-1/PS2561-1 Lower Cost 4 Pin Replacement	B	
MOC8113	PS2602	6 Pin DIP	PS2501-1 Lower Cost 4 Pin Replacement	B	
MOC8204	PS2621	6 Pin DIP	PS2521-1 Lower Cost 4 Pin Replacement	B	
MOC8205	PS2621	6 Pin DIP	PS2521-1 Lower Cost 4 Pin Replacement	B	
MOC8206	PS2621	6 Pin DIP	PS2521-1 Lower Cost 4 Pin Replacement	B	

A = Direct Electrical/Mechanical Replacement

B = Direct Electrical Drop-In Replacement Likely Insignificant Difference

C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

TAPE AND REEL AVAILABILITY BY SERIES

OPTOCOUPERS

PART NUMBER	PACKAGE QUANTITY	PART NUMBER	PACKAGE QUANTITY
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PS25XX SERIES	
PS25XXL-1-E3	1000
PS25XXL-1-E4	1000
PS25XXL-1-F3	2000
PS25XXL-1-F4	2000
PS25XXL-2-E3	1000
PS25XXL-2-E4	1000
PS256XL2-1-E3	1000
PS256XL2-1-E4	1000
PS258XL2-E3	1000
PS258XL2-E4	1000

PS28XX SERIES	
PS280X-1-F3	3500
PS280X-1-F4	3500
PS280X-4-F3	2500
PS280X-4-F4	2500

PS26XX SERIES	
PS26XXL-E3	1000
PS26XXL-E4	1000
PS265XL2-E3	1000
PS265XL2-E4	1000

PS8XXX SERIES	
PS86XXL-E3	1000
PS86XXL-E4	1000
PS87XX-E3	900
PS87XX-E4	900
PS87XX-F3	3500
PS87XX-F4	3500

PS27XX SERIES	
PS27XX-1-E3	900
PS27XX-1-E4	900
PS27XX-1-F3	3500
PS27XX-1-F4	3500

PS9XXX SERIES	
PS96XXL-E3	1000
PS96XXL-E4	1000
PS97XX-E3	900
PS97XX-E4	900
PS97XX-F3	3500
PS97XX-F4	3500

INTERNATIONAL SAFETY STANDARDS

NEC OPTOCOUPLER PARTS NUMBER				PS2501 PS2502 PS2503 PS2505 PS2506	PS2521 PS2525	PS2532 PS2533	PS2561 PS2562 PS2565 PS2566	PS2581	PS2601 TO PS2608 PS2621 PS2622 PS2625 PS2626	PS2633 PS2634	PS2651 PS2652 PS2653 PS2654	PS2701 TO PS2707 PS2732 PS2733 PS2741	PS2801 PS2805 (Only 4 CH)
PARAMETER (Units: mm) (Minimum Dist.)		Outer Creepage Distance		7.0	7.0	7.0	7.0	8.0	7.0	7.0	8.0	5.0	5.0
		Clearance Distance		7.5	7.5	7.5	7.5 or 10	8.0	7.5	7.5	8.0 or 10.0	5.0	5.0
		Isolation Distance		0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.3	0.3
		Inner Creepage Distance		3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.5	2.5
		Breakdown Voltage		5kV	5kV	5kV	5kV	5kV	5kV	5kV	5kV	2.5kV	2.5kV
Organization	Country	Standard No.	NEC Approval No.										
UL	USA	UL1577	E72422(S)	●	●	●	●	●	●	●	●	●	●
CSA	Canada	CSA-C22.2	CA101391		●	●	●	●		●	●	●	●
VDE	Germany	VDE0884				●	●	●		●	●	●	●
BSI	UK	BS415 EN-60-950/EC60950	7112 (4 pin) 7250 (6 pin)	—		●	●	●	—		●	●	●
		BS7002 EN-60-950/EC60950	7240 (4 pin) 7615 (6 pin)	—		●	●	●	—		●	●	●
SEMKO	Sweden	SS-441-01-65	9317144	—	—	●	●	—			●	—	—
		SS-EN-60-950	9317144	—	—	●	●	—			●	—	—
SETI	Finland	E 65-89	167266-08	—	—	●	●	—			●	—	—
		SFS-EN-60-950	167265-08	—	—	●	●	—			●	—	—
NEMKO	Norway	NEK-HD 195 S6	A21409	—	—	●	●	—			●	—	—
		NEK-EN-60-950	A21409	—	—	●	●	—			●	—	—
DEMKO	Denmark	Section 101	300535	—	—	●	●	—			●	—	—
		Section 137	300535	—	—	●	●	—			●	—	—

● Approved ⊙ Under Application ○ Under Planning — N/A

NEC OPTOCOUPLER PARTS NUMBER				PS8601 PS8602	PS8701	PS9601	PS9634	PS9701
PARAMETER (Units: mm) (Minimum Dist.)		Outer Creepage Distance		7.0	5.0	7.0	7.0	5.0
		Clearance Distance		7.5	5.0	7.5	7.5	5.0
		Isolation Distance		0.3	0.2	0.4	0.4	0.2
		Inner Creepage Distance		4.0	2.5	4.0	4.0	2.5
		Breakdown Voltage		5kV	2.5kV	5kV	5kV	2.5kV
Organization	Country	Standard No.	NEC Approval No.					
UL	USA	UL1577	E72422(S)	●	●	●	●	●
CSA	Canada	CSA-C22.2	CA101391		—	—	—	—
VDE	Germany	VDE0884		●	●		●	●
BSI	UK	BS415 EN-60-950	7112 (4 pin) 7250 (6 pin)	—	—	—	—	—
		BS7002 EN-60-950	7240 (4 pin) 7615 (6 pin)	—	—	●	—	●
SEMKO	Sweden	SS-441-01-65	9317144	—	—	—	—	—
		SS-EN-60-950	9317144	—	—	—	—	—
SETI	Finland	E 65-89	167266-08	—	—	—	—	—
		SFS-EN-60-950	167265-08	—	—	—	—	—
NEMKO	Norway	NEK-HD 195 S6	A21409	—	—	—	—	—
		NEK-EN-60-950	A21409	—	—	—	—	—
DEMKO	Denmark	Section 101	300535	—	—	—	—	—
		Section 137	300535	—	—	—	—	—

● Approved ⊙ Under Application ○ Under Planning — N/A

Solid State Relay Cross Reference

Aromat	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
AQV101	PS710A-1A	6 Pin DIP	In Development	D	
AQV102	PS710A-1A	6 Pin DIP	In Development	B	
AQV103	PS7122A-1A	6 Pin DIP	In Development	B	
AQV104	PS7142-1A	6 Pin DIP		B	
AQV201	PS710A-1A	6 Pin DIP	In Development	B	
AQV202	PS710A-1A	6 Pin DIP	In Development	B	
AQV203	PS7142-1A	6 Pin DIP		B	
AQV204	PS7142-1A	6 Pin DIP		B	
AQV210	PS7141-1A	6 Pin DIP		B	
AQV210E	PS7141-1A	6 Pin DIP		B	
AQV210EH	PS7341-1A	6 Pin DIP		B	
AQV210S	PS7241-1A	6 Pin SOP	4 Pin SOP In Development	C	
AQV212	PS710A-1A	6 Pin DIP	In Development	B	
AQV212	PS7113-1A	6 Pin DIP		B	
AQV212S	No Cross	6 Pin SOP		D	
AQV214	PS7141-1A	6 Pin DIP		B	
AQV214E	PS7141-1A	6 Pin DIP		B	
AQV214EH	PS7341-1A	6 Pin DIP		B	
AQV214H	PS7341-1A	6 Pin DIP		B	
AQV214S	No Cross	6 Pin SOP	4 Pin SOP In Development	D	
AQV215	PS7113-1A	6 Pin DIP		B	
AQV215S	No Cross	6 Pin SOP	4 Pin SOP In Development	D	
AQV216	PS7160-1A	6 Pin DIP		B	
AQV216S	No Cross	6 Pin SOP	4 Pin SOP In Development	D	
AQV217	PS7122-1A	6 Pin DIP		B	
AQV217S	No Cross	6 Pin SOP	4 Pin SOP In Development	D	
AQV22X	No Cross			D	
AQV221	PS7200A-1A	6 Pin DIP	NEC is 4 Pin SOP	C	
AQV224	No Cross	6 Pin DIP		D	
AQV224N	No Cross	6 Pin DIP		D	
AQV224NS	No Cross	6 Pin SOP	NEC is 4 Pin SOP	D	
AQV225	No Cross	6 Pin DIP		D	
AQV225N	No Cross	6 Pin DIP		D	
AQV225NS	No Cross	6 Pin SOP		D	
AQV227N	No Cross	6 Pin DIP		D	
AQV227NS	No Cross	6 Pin DIP		D	
AQV23X	No Cross			D	
AQV234	PS7141-1A	6 Pin DIP		B	
AQV251	PS710A-1A	6 Pin DIP	In Development	B	
AQV252	PS710A-1A	6 Pin DIP	In Development	B	
AQV253	PS7142-1A	6 Pin DIP		B	
AQV253H	PS7342-1A	6 Pin DIP		B	
AQV254	PS7142-1A	6 Pin DIP		B	
AQV254H	PS7342-1A	6 Pin DIP		B	
AQV254R	PS7142-1A	6 Pin DIP	AQV245R has a LED Display	B	
AQV255	PS7113-1A	6 Pin DIP		B	
AQV257	PS7122-1A	6 Pin DIP		B	
AQV257M	PS7522-1A	6 Pin DIP		B	
AQV258	PS71A0-1A	6 Pin DIP	In Development	B	
AQV259	PS71A0-1A	6 Pin DIP	In Development	B	
AQV414	PS7141-1B	6 Pin DIP		B	
AQV414E	PS7141-1B	6 Pin DIP		B	
AQV414EH	PS7341-1B	6 Pin DIP		B	
AQV452	PS7122A-1B	6 Pin DIP		B	
AQV454	PS7141-1B	6 Pin DIP		B	

A = Direct Electrical/Mechanical Replacement

B = Direct Electrical Drop-In Replacement Likely Insignificant Difference

C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

Aromat	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
AQV454H	PS7341-1B	6 Pin DIP		B	
AQW210	PS7141-2A	8 Pin DIP		B	
AQW210S	PS7241-2A	8 Pin SOP		B	
AQW210TS	PS7241-AT5	8 Pin SOP		B	
AQW210T2S	No Cross	16 Pin SSOP		D	
AQW212	PS7113-2A	8 Pin DIP		B	
AQW214	PS7141-2A	8 Pin DIP		B	
AQW214S	PS7241-2A	8 Pin SOP	In Development	A	
AQW215	PS7113-2A	8 Pin DIP		B	
AQW216	PS7160-2A	8 Pin DIP		B	
AQW217	PS7122-2A	8 Pin DIP		B	
AQW254	PS7142-2A	8 Pin DIP		B	
AQW414	PS7141-2B	8 Pin DIP		B	
AQW454	PS7141-2B	8 Pin DIP	NEC is Higher Ron	B	
AQW614	PS7141-1C	8 Pin DIP		B	
AQW654	PS7141-1C	8 Pin DIP	NEC is Higher Ron	B	
AQX21444	No Cross			D	
AQY210S	PS7241-1A	4 Pin SOP		B	
AQY214S	PS7241-1A	4 Pin SOP		B	
AQY272	No Cross	Non Standard		D	
AQY274	No Cross	Non Standard		D	
AQY275	No Cross	Non Standard		D	
AQY277	No Cross	Non Standard		D	
AQY414S	PS7241-1B	4 Pin SOP		B	
AQZXXX	No Cross			D	

Note:

All relays are available in Surface Mount.

DIP Package = PS7141-1A

Gull Wing (Surface Mount) = PS7141L-1A

"L" Denotes Surface Mount

CP Clare	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
CPC1035	PS7241-1A	4 Pin SOP		A	
CPCL135	PS7241-1A	4 Pin SOP		A	
CPCL135N	PS7241-1A	4 Pin SOP		A	
IAA170P	No Cross	16 Pin SOIC		D	
IAB170P	No Cross	16 Pin SOIC		D	
IAD170P	No Cross	16 Pin SOIC		D	
IBB170P	No Cross	16 Pin SOIC		D	
ITC112	No Cross	16 Pin DIP	Please use 2 x PS2801 and 1 PS7241-1A Much Lower Cost and Smaller Size	D	
ITC112N	No Cross	16 Pin SSOP	Same as above but same size	D	
ITC117	PS7841-A15	16 Pin DIP	NEC is 16 Pin SSOP	B/C	
ITC117N	PS7841-A15	16 Pin SSOP		A	
ITC135	In Development	16 Pin DIP	NEC is 16 Pin SSOP	B/C	
ITC135N	In Development	16 Pin SSOP	NEC does not have zener diode	C	
LAA110	PS7141-2A	8 Pin DIP		B	
LAA120	PS7122A-2A	8 Pin DIP		B	
LAA125	PS7122-2A	8 Pin DIP		B	
LAA127	PS7122A-2A	8 Pin DIP		B	
LBA110	PS7141-1C	8 Pin DIP		B	
LBA120	PS7141-1C	8 Pin DIP	CP Clare 170 mA vs. NEC 120 mA	B	
LBA127	PS7141-1C	8 Pin DIP	CP Clare 170 mA vs. NEC 120 mA	B	
LBB110	PS7141-2B	8 Pin DIP		A	
LBB120	PS7141-2B	8 Pin DIP	CP Clare 170 mA vs. NEC 120 mA	B	
LBB127	PS7141-2B	8 Pin DIP	CP Clare 170 mA vs. NEC 120 mA	B	
LCA110	PS7141-1A	6 Pin DIP		A	

A = Direct Electrical/Mechanical Replacement

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C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

CP Clare	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
LCA120	PS7142-1A	6 Pin DIP		A	
LCA125	PS7142-1A	6 Pin DIP		A	
LCA710	PS71A0-1A	6 Pin DIP		B	
LCB110	PS7141-1B	6 Pin DIP		A	
LCB120	No Cross	6 Pin DIP		D	
LCC110	No Cross	8 Pin DIP		A	
LCC120	No Cross	8 Pin DIP	CP Clare 170 mA vs. NEC 120 mA	B	
LOC210	PS8741	16 Pin DIP	NEC is 16 Pin SSOP	B/C	
LOC210N	PS8741	16 Pin SSOP		A	
LOC211	PS8741	16 Pin SSOP	NEC is 16 Pin SSOP	B/C	
LOC211N	PS8741	16 Pin SSOP		B	
OAA160	No Cross	8 Pin DIP		D	
OMA130	PS7113-1A	6 Pin DIP		B	
OMA160	No Cross	6 Pin DIP		D	
PLA110	PS7142-1A	6 Pin DIP		A	
PLA140	PS7142-1A	6 Pin DIP		B	
PLA150	PS7142-1A	6 Pin DIP		B	
TS117	PS7241-AT5	8 Pin SOP	PS7241-AT5 = SOP Version	C	
TS117P	PS7241-AT5	8 Pin SOP	PS7241-AT5 = SOP Version	C	
TS118	No Cross	8 Pin DIP		D	
TS118P	No Cross	8 Pin DIP		D	
TS120	PS7241-AT5	8 Pin SOP	PS7241-AT5 = SOP Version	C	
TS120P	PS7241-AT5	8 Pin SOP	Lower Profile DIP Package	C	
TS122	PS7241-AT5	8 Pin SOP	PS7241-AT5 = SOP Version 120 mA	C	
TS122P	PS7241-AT5	8 Pin SOP	Lower Profile DIP Package	C	
TS190	PS7241-AT5	8 Pin SOP	PS7241-AT5 = SOP Version 150 mA	C	
TS190P	PS7241-AT5	8 Pin SOP	Lower Profile DIP Package	C	
XAA170	PS7141-2A	8 Pin DIP		B	
XBA170	PS7141-1C	8 Pin DIP		B	
XBB170	PS7141-2B	8 Pin DIP		B	
XCA110	PS7142-1A	6 Pin DIP		B	
XCA120	PS7122-1A	6 Pin DIP		B	
XCA170	PS7341-1A	6 Pin DIP		A	
XCB170	PS7341-1B	6 Pin DIP		A	
XS170	PS7241-AT5	8 Pin SOP		C	

Note:

TS117P = "P" Identifies Lower Profile DIP Package/NEC Offers Lower Profile Smaller Width SOP Package.

Siemens	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
LH1056AAB	PS7141L-1A	6 Pin SMT	Current Limiting Option Available	A	
LH1056AAB1	PS7141L-1A	6 Pin SMT	Current Limiting Option Available	A	
LH1056AT	PS7141-1A	6 Pin SMT	Current Limiting Option Available	A	
LH1056AT1	PS7141-1A	6 Pin SMT	Current Limiting Option Available	A	
LH1056CT	PS7141-1A	6 Pin SMT	Current Limiting Option Available	A	
LH1085AAB	No Cross	6 Pin SMT			
LH1085AT	No Cross	6 Pin SMT			
LH1156AAB	PS7141L-1A	6 Pin SMT	Current Limiting Option Available	A	
LH1191AAB	PS7141L-1A	6 Pin SMT		A	
LH1192AAB	PS7141L-1A	6 Pin SMT		A	
LH1192AAB1	PS7141L-1A	6 Pin SMT		A	
LH1192AT	PS7141-1A	6 Pin DIP		A	
LH1192AT1	PS7141-1A	6 Pin DIP		A	
LH193AAB	PS7141L-2A	8 Pin SMT		A	
LH193AAB1	PS7141L-2A	8 Pin SMT		A	
LH1203AAB	No Cross	6 Pin SMT			
LH1203AAB1	No Cross	6 Pin SMT			

A = Direct Electrical/Mechanical Replacement

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C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

Siemens	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
LH1204AAC	PS7141L-2A	8 Pin SMT		A	
LH1204AAB	PS7141L-2A	8 Pin SMT		A	
LH1233AAB	No Cross	6 Pin SMT			
LH1233AAB1	No Cross	6 Pin SMT			
LH1233AT	No Cross	6 Pin DIP			
LH1298AAB	PS7141L-1B	6 Pin SMT	PS7341L-1B Available 3750 V Isolation	A	
LH1298AAB1	PS7141L-1B	6 Pin DIP	PS7341L-1B Available 3750 V Isolation	A	
LH1298AT	PS7141-1B	6 Pin DIP	PS7341-1B Available 3750 V Isolation	A	
LH1500AAB	PS7341L-1A	6 Pin SMT	PS714L1-1A	A	
LH1500AAB1	PS7341L-1A	6 Pin SMT	PS714L-1A	A	
LH1500AT	PS7341-1A	6 Pin DIP	PS7141L-1A	A	
LH1500AT1	PS7341-1A	6 Pin DIP	PS7141L-1A	A	
LH1501AAB	PS7341L-1B	6 Pin SMT	PS7141L-1B	A	
LH1501AAB1	PS7341L-1B	6 Pin SMT	PS7141L-1B	A	
LH1501AT	PS7341-1B	6 Pin DIP	PS7141-1B	A	
LH1501AT1	PS7341-1B	6 Pin DIP	PS7141-1B	A	
LH1502AAC	PS7141L-1C	8 Pin SMT		A	
LH1502AB	PS7141-1C	8 Pin DIP		A	
LH1503AAC	PS7141L-2A	8 Pin SMT		A	
LH1503AB	PS7141-2A	8 Pin DIP		A	
LH1504AAB	PS7141L-1A	6 Pin SMT		B	
LH1504AAB1	PS7141L-1A	6 Pin SMT		B	
LH1504AT	PS7141-1A	6 Pin DIP		B	
LH1504AT1	PS7141-1A	6 Pin DIP		B	
LH1505AAC	PS7141L-2A	8 Pin SMT		A	
LH1505AB	PS7141L-2A	8 Pin SMT		A	
LH1510AAB	PS7122L-1A	6 Pin SMT		A	
LH1510AT	PS7122-1A	6 Pin DIP		A	
LH1511AAB	PS7122L-1B	6 Pin SMT		A	
LH1511AT	PS7122-1B	6 Pin DIP		A	
LH1512AAC	PS7141L-1C	8 Pin SMT	400 V 150 mA	B	
LH1512AB	PS7141-1C	8 Pin DIP	400 V 150 mA	B	
LH1513AAC	PS7141L-2A	8 Pin SMT	400 V 150 mA	B	
LH1513AB	PS7141-2A	8 Pin DIP	400 V 150 mA	B	
LH1514AAC	PS7113L-2A	8 Pin SMT	100 V 350 mA	B	
LH1514AB	PS7113-2A	8 Pin DIP	100 V 350 mA	B	
LH1516AAB	PS7142L-2A	8 Pin SMT		B	
LH1516AT	PS7142-2A	8 Pin DIP		B	
LH1517AAB	PS7342L-1A	6 Pin SMT		B	
LH1517AT	PS7342-1A	6 Pin DIP		B	
LH1518AAB	PS7141L-1A	6 Pin SMT		B	
LH1518AT	PS7141-1A	6 Pin DIP		B	
LH1519AAB	No Cross	6 Pin DIP			
LH1519AT	No Cross	6 Pin DIP			
LH1520AAC	PS7141L-2A	8 Pin SMT		A	
LH1520AB	PS7141-2A	8 Pin DIP		A	
LH1521AAC	PS7141L-2B	8 Pin SMT		A	
LH1521AB	PS7141-2B	8 Pin DIP		A	
LH1522AAC	PS7522L-2A	8 Pin SMT		A	
LH1522AB	PS7522-2A	8 Pin DIP		A	
LH1523AAC	PS7522L-2B	8 Pin SMT	In Development	A	
LH1523AB	PS7522-2B	8 Pin DIP	In Development	A	
LH1524AAC	PS7141L-2A	8 Pin SMT	Diode Offset Not Used NEC	B	
LH1524AB	PS7141-2A	8 Pin DIP	Diode Offset Not Used NEC	B	
LH1525AAB	PS7341L-1A	6 Pin SMT		A	
LH1525ACD	PS7241-2A	8 Pin DIP		A	
LH1525AT	PS7341-1A	6 Pin DIP		A	
LH1526AAC	PS7141L-2A	8 Pin SMT		B	

A = Direct Electrical/Mechanical Replacement

B = Direct Electrical Drop-In Replacement Likely Insignificant Difference

C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

Siemens	Cross (Exact Alternate)	Package	Sales Tip(s)	Code	Comment(s)
LH1526ACE	PS7241-2A	8 Pin SOP	NEC Much Smaller Foot Print	B	
LH1526AB	PS7141-2A	8 Pin DIP		B	
LH1527AAB	PS7141L-1C	8 Pin SMT		C	
LH1527AAC	PS7141-1C	8 Pin DIP		C	
LH1527AB	PS7141-1C	8 Pin DIP		C	
LH1527AT	PS7141-1C	8 Pin DIP		C	
LH1528AAC	No Cross	8 Pin DIP	PS7241-AT5 1 Form A SOP Version	D	
LH1528AB	No Cross	8 Pin DIP	PS7241-AT5 1 Form A SOP Version	D	
LH1529AAC	PS7241-AT5	8 Pin SOP		C	
LH1529AB	PS7241-AT5	8 Pin SOP		C	
LH1529BAC	PS7241-AT5	8 Pin SOP		C	
LH1529BB	PS7241-AT5	8 Pin SOP		C	
LH1530AAB	PS7341L-1A	6 Pin SMT		A	
LH1530AT	PS7341-1A	6 Pin DIP		A	
LH1531AAC	PS7141L-2A	8 Pin SMT		A	
LH1531AB	PS7141-2A	8 Pin DIP		A	
LH1532AAC	PS7141L-2A	8 Pin SMT		A	
LH1532AB	PS7141-2A	8 Pin DIP		A	
LH1533AAC	PS7360L-1A	6 Pin SMT		A	
LH1533AB	PS7360-1A	6 Pin DIP		A	
LH1534HAC	No Cross	6 Pin DIP		A	
LH1534HB	No Cross	6 Pin DIP		A	
LH1535HAB	PS7341L-1A	6 Pin SMT		A	
LH1535HT	PS7341-1A	6 Pin DIP		A	
LH1536AAB	PS7113L-1A	6 Pin SMT	NEC V Load = 100 V	C	
LH1536AT	PS7113-1A	6 Pin DIP	NEC V Load = 100 V	C	
LH1537AAB	PS7141L-1C	6 Pin SMT		C	
LH1537AB	PS7141-1C	6 Pin DIP		C	
LH1537AAC	PS714L-1C	6 Pin SMT		C	
LH1537AT	PS7141-1C	6 Pin DIP		C	
LH1540AAB	PS7341CL-1A	6 Pin SMT		A	
LH1540AB	PS7341C-1A	6 Pin DIP		A	
LH1540AAB1	PS7341CL-1A	6 Pin SMT		A	
LH1540AT	PS7341C-1A	6 Pin DIP		A	
LH1540AT1	PS7341C-1A	6 Pin DIP		A	
LH1541AAB1	No Cross	6 Pin DIP			
LH1541AT1	No Cross	6 Pin DIP			
LH1544AAC	No Cross	6 Pin DIP			
LH1544AB	No Cross	6 Pin DIP			
LH1547AAB1	PS7341L-1A	6 Pin SMT		B	
LH1547AT1	PS7341-1A	6 Pin DIP		B	
LH1548ACE	PS7241-AT5	8 Pin SOP	NEC Much Smaller SOP	C	
LH1549HAC	PS7241-AT5	8 Pin SOP	NEC 8 PIN SOP	C	
LH1549HB	PS7241-AT5	8 Pin SOP	NEC 8 PIN SOP	C	
LH1550AAB	PS7341L-1A			A	
LH1550AAB1	PS7341L-1A			A	
LH1550AT	PS7341-1A			A	
LH1550AT1	PS7341-1A			A	
LH1551AAB1	In Development				
LH1551AT1	In Development				
LH1552AAC	In Development				
LH1552AB	In Development				
LH1553AAC	In Development				
LH1553AB	In Development				
LH1571AAC	In Development				
LH2559AAC	No Cross				
LH2559AB	No Cross				
LH2559ACE	In Development	16 PIN SOP		C	

A = Direct Electrical/Mechanical Replacement

B = Direct Electrical Drop-In Replacement Likely Insignificant Difference

C = Same Electrical Function / Not Drop in Electrical/Mechanical Replacement

D = No Cross

TAPE AND REEL AVAILABILITY BY SERIES

SOLID STATE RELAYS

PART NUMBER	PACKAGE QUANTITY	PART NUMBER	PACKAGE QUANTITY
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PS71XX SERIES	
PS71XXL-1A-E3	1000
PS71XXL-1A-E4	1000
PS71XXL-1B-E3	1000
PS71XXL-1B-E4	1000
PS71XXL-1C-E3	1000
PS71XXL-1C-E4	1000
PS71XXL-2A-E3	1000
PS71XXL-2A-E4	1000
PS71XXL-2B-E3	1000
PS71XXL-2B-E4	1000

PS73XX SERIES	
PS73XXL-1A-E3	1000
PS73XXL-1A-E4	1000
PS734XCL-1A-E3	1000
PS734XCL-1A-E4	1000

PS72XX SERIES	
PS72XX-1A-E3	900
PS72XX-1A-E4	900
PS72XX-1A-F3	3500
PS72XX-1A-F4	3500
PS72XX-2A-F3	1500
PS72XX-2A-F4	1500
PS72XX-AT5-F3	1500
PS72XX-AT5-F4	1500
PS72XX-AT1-F3	1500
PS72XX-AT1-F4	1500

PS75XX SERIES	
PS75XXL-1A-E3	1000
PS75XXL-1A-E4	1000
PS75XXL-2A-E3	1000
PS75XXL-2A-E4	1000

INTERNATIONAL SAFETY STANDARDS

SOLID STATE RELAYS PARTS NUMBER				PS71XX-1A PS71XX-2A	PS71XX-1B PS71XX-2B PS71XX-1C	PS72XX-1A	PS72XX-2A	PS7241-AT1 PS7241-AT5	PS73XX-1A PS73XXC-1A PS73XXC-1B	PS75XX-1A PS75XX-2A
PARAMETER (Units: mm) (Minimum Dist.)	Outer Creepage Distance			7.0	7.0	7.0	7.0	7.0	7.0	7.0
	Clearance Distance			7.0	7.0	7.0	7.0	7.0	7.0	7.0
	Isolation Distance			0.4	0.4	0.4	0.4	0.4	0.4	0.4
	Inner Creepage Distance			4.0	4.0	4.0	4.0	4.0	4.0	4.0
	Breakdown Voltage			1.5k	1.5k	1.5k	1.5k	1.5k	3.75k	1.5k
Organization	Country	Standard No.	NEC Approval No.							
UL	USA	UL1577	E72422(S)	●	●	⊙	●	●	●	●
CSA	Canada	CL9073X0030	CA101391	⊙	⊙	⊙	⊙	⊙	⊙	⊙
VDE	Germany	VDE0884	See Right Table	⊙	⊙	⊙	⊙	⊙	⊙	⊙
BSI	UK	BS415 /EC55	7112 (4 pin) 7250 (6 pin)	●	●	●	●	●	●	●
		BS7002 /EC950	7240 (4 pin) 7615 (6 pin)	●	⊙	⊙	⊙	●	●	●
SEMKO	Sweden	SS-441-01-55	9317144	—	—	—	—	—	—	—
		SS-EN-60-950	9317144	—	—	—	—	—	—	—
SETI	Finland	E 65-89	167265-08	—	—	—	—	—	—	—
		SFS-EN-60-950	167265-08	—	—	—	—	—	—	—
NEMKO	Norway	NEK-HD 195 S6	A21409	—	—	—	—	—	—	—
		NEK-EN-60-950	A21409	—	—	—	—	—	—	—
DEMKO	Denmark	Section 101	300535	—	—	—	—	—	—	—
		Section 137	300535	—	—	—	—	—	—	—

● Approved

⊙ Under Application

○ Under Planning

— N/A