

Manufacturing Info

MBOI

Specifications

Supply

Purchasing

Payables

Planning

APSR

Factory Information

Capacity Statement

Quality

Global EBR5

External Manufacturing MPE

Data Exchange

Document and Data

Exchange

Intransit

Exceptions

PH4 ISPL (ATEC) (CU) MBOI Data

Search Files:

74VHC14MTCX-IPN

Search

MBOI Masters

ASY (850) MEF (4) TST (925) Open Compliance (832)

Search text is highlighted in RED 74VHC14MTCX-IPN

Manufacturing Bill of Information (MBOI)										
Part Number		74VHC14MTCX-IPN-ASY		Part Type			Assembly Part			
Site Name Loc Cod		PH4 ISPL (ATEC) CU		File Name			PH4_74VHC14MTCX-IPN_74VHC14MTCX-IPN-ASY_ASY			
Flags		Non Safe Launch Item No Global Hold Flag		Part Qual Target Market:			I Industrial			
Part Version		5		Part Version Date-Time			2024-MAY-05 05:43:33 (GMT +7)			
Orderable Part Section - OPN										
Part Number Desc		74VHC14MTCX-IPN Hex Schmitt Inverter				Market PN		74VHC14MTCX-IPN		
Lifecycle Phase		Production				Part Class Desc		AA ASSEMBLED AND TESTED		
Marketing Product Lifecycle		Follow Part Lifecycle				Part Sub Type		OPN		
Part Release Status Desc		MC-M Mass Production				Part Usage		STD		
Case Outline (CO)		948G DP				PAL4 Code Desc		I		
Product Data Sheet										
ERP Resource Code - ASY Desc		F304 TSSOP14 AU SNGL HPBF				OPN Part Qual Target Market		I Industrial		
Packing Configuration		TSSOP-14_948G_REEL_2500_FBQ5000				Eng Package Type		TSSOP-14		
Assembly_Part_Section - ASY										
Part Number		74VHC14MTCX-IPN-ASY			Description			Hex Schmitt Inverter		
Lifecycle Phase		Production			Part Usage			STD		
Part Release Status Desc		MC-M Mass Production			Part Sub Type			ASY		
PAL4 Code Desc		I			ERP Resource Code - ASY Desc			F304 TSSOP14 AU SNGL HPBF		
Part Qual Target Market		I Industrial								
Case Outline (CO)		948G DP			Package Type			TSSOP-14		
ECAT Override					Actual Lead Count			14		
Package Assembly Platform		SOSM - Small Outline Surface Mount			Assembly Baseline Spec					
Assembly Process Flow Spec					Assembly Spec(s) - Global					
Lot Processing Restrictions		Standard			Package Substrate Layout(s)					
ITAR Part Flag		N			Customs Configuration			8542.39.0001		
Customs ECCN Code		EAR99			Customer Consigned Flag			N		
Compressed?					Compressed Part Number					
Wettable Process Type					Wettable Flank Flag					
Site Notes										
BOM Components										
Alternate 002	Part Number		Part Sub Type	Line	Preference	Group	Qty	Description		Lifecycle Phase
Primary Die	74VHC14-XBC3026D-WDQ WP		WDQ	001	01	0	1	Wafer 200		Production
	Die Size (X + Y W/Scribe Street): 750 x 560							PDPW : 67228		
Package Kit	N17608G030		PKT	002	01	0	1	PKGKIT TSSOP14 CU (PH4)		Production
	Piece Parts									
	1360100014		FRAME	010	01	0	1	LF TSSOP 14L JEDEC 4.4MM STAMPED PPF		Production
	13601510002		EPXY	020	01	0	1	DA HE QMI519 2.5CC/5CC		Production
	13601610001		WIRE	030	01	0	1	BW Au 0.8 MIL		Production
	1360191000		MOLD	040	01	0	1	MC HITACHI CEL800JF 13MMX5.3G		Production
BOI 67-Bonding Diagram	67AON20115G E		DOC	003	01	0	1	74VHC14x, 74LVX14x Series		Production



Standard Marking Flag			
PB Free Mark Character Flag			
Consolidated Mark Machine Std		Consolidated Mark Machine Custom	Line1: \$Y&Z&2&K Line2: V14 Line3: UNK Line4: UNK Line5: UNK

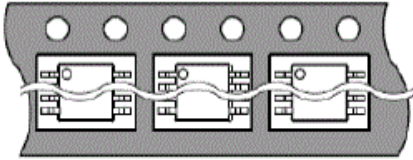
Marking Details Section

Date Code Type	S2		
Trace Code Legend - Front			
Trace Code Legend - Back			
Trace Code Spec	12MON45426G BD	Part Marking Source	
Part Marking Image/CAD Document		Marking Style Image Document	
Custom Logo Document		ON Logo Document	
Final Test Specification	48AON61241H O		

OPN Packing Section

PCQ Container Desc	REEL Tape and Reel	PCQ Quantity	2500
MPQ Container Desc	REEL Tape and Reel	MPQ Quantity	2500
Intermediate Full Box Container Type Intermediate Box Container Size Intermediate Full Box Container Quantity	 5000	Intermediate Full Bag Container Type Intermediate Bag Container Size Intermediate Full Bag Container Quantity	

Pin 1 Toward Upper Left



Labeling Section

MSL	1	MSL Temperature	260
Pb Free Leads Flag	Y	Halide Free Flag	Y
Pb Free Die Attach Flag	Y	Lead Finish Category (eCAT)	e4

Document Group Section


Document Num	Revision	Release Date	Title
12MON01117D	AC	15-Nov-23	Quality Assurance Inspection and Testing Sample Plan
12MON03769D	Y	04-Jul-22	External Visual Inspection Criteria
12MON45426G	BD	02-Feb-23	Mark Layout Instructions
12MON49004E	AD	14-Apr-23	Subcontractors Bar Code Labeling
12MRB17500B	FM	19-Sep-23	Finished Goods Packing and Long Term Storage Procedure
12MRM92695A	AE	27-Feb-24	Lot Combination Control Requirements for onsemi
48AON61241H	O	05-Feb-24	74VHCxx, 74LCXxx & 74LVXxx Series
67AON20115G	E	12-Feb-24	74VHC14x, 74LVX14x Series

BOM Links

Up/Down Direction	Site	Top Part	Link
Up	PH4	74VHC14MTCX-IPN	PH4_74VHC14MTCX-IPN_74VHC14MTCX-IPN-TST_TST.XML

Revision History

Rev	Rev Date	Details
5	2024-FEB-21 05:03:42	LIFECYCLE_PHASE CONFIRM_REQUIRED previous_value:Prototype;new_value:Production LIFECYCLE_PHASE CONFIRM_REQUIRED previous_value:Prototype;new_value:Production PART_REL_DATE_PROD UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:20-FEB-24
4	2024-FEB-13 12:11:57	Deleted Component:74VHC14-XBC3116D-WDQ

<div><div><div>☰</div><div>onsemi</div><div></div></div><div><div>Q</div><div>JA</div><div></div><div>EN</div></div></div>		
2	2024-JAN-23 15:04:51	LEAD_FINISH_CATEGORY_ECAT CONFIRM_REQUIRED previous_value:NULL;new_value:e4 MARK_STYLE_CONFIG_ID CONFIRM_REQUIRED previous_value:NULL;new_value:NO_STANDARD_MARKING_STYLE MARK_STYLE_SPEC UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:ON Custom PB_FREE_DIE_ATTACH_FLG CONFIRM_REQUIRED previous_value:NULL;new_value:Y PB_FREE_IND_G_CD_IND UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:None PB_FREE_LEADS_FLG CONFIRM_REQUIRED previous_value:NULL;new_value:Y PIN1_IND UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:N/A POLARITY_IND UPDATE_FILE_AND_VERSION previous_value:NULL;new_value:NA STD_MARK_FLG UPDATE_FILE_AND_VERSION previous_value:Y;new_value:N
1	2024-JAN-18 00:03:52	Initial version

About onsemi

Locations

Leadership

Corporate Fact Sheet

Quality and Reliability

Ecosystem Partners

Intellectual Property

Our History

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Language

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